**From:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD)
**Sent:** Tue, 4 Feb 2020 15:36:40 +0000
**To:** Cardemil, Cristina (CDC/DDID/NCIRD/DVD)
**Subject:** RE: EIS Special Session
**Attachments:** Special Session Template_2020 nCoV NCIRD 20200204 clean.docx, Special Session Template_2020 nCoV NCIRD 20200204.docx

Updated—clean copy and one with your comments, as it has all the names left in.

I can send it to (b)(5) if that would help. Should you send it to the (b)(5)?

Tom

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**From:** Cardemil, Cristina (CDC/DDID/NCIRD/DVD) <iyk8@cdc.gov>
**Sent:** Monday, February 3, 2020 4:35 PM
**To:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <tnc4@cdc.gov>
**Subject:** RE: EIS Special Session

Also, if we have (b)(5) we may consider reaching out to their Center as a co-sponsor and/or FYI on this proposal. They may have input but also primarily would be good to let them know ahead of time, so they are not blindsided, and are more likely to support the proposal. At the meeting on Feb 12-13 I can present the proposal on behalf of NCIRD, and all of the other Centers will have their representatives there to vote on the abstracts and special session proposals. I think (b)(5) let me know how you think best to approach this, and if there are any other Centers we may consider.

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**From:** Cardemil, Cristina (CDC/DDID/NCIRD/DVD)
**Sent:** Monday, February 3, 2020 4:21 PM
**To:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <tnc4@cdc.gov>
**Subject:** RE: EIS Special Session

Thanks, this looks good. Some suggestions for speakers in the attached. Did you want to only have (b)(5) We could go either way, but if there is (b)(5) provide an overview.

On this version we can include names or just keep it generic with titles—if/when the proposal is accepted, we can start to fill in the speakers.

Thanks-
Cristina

---

**From:** Clark, Thomas A. (CDC/DDID/NCIRD/DVD) <tnc4@cdc.gov>
**Sent:** Monday, February 3, 2020 3:22 PM
**To:** Cardemil, Cristina (CDC/DDID/NCIRD/DVD) <iyk8@cdc.gov>
**Subject:** EIS Special Session

Cristina, do you want to take a look at this special session proposal? Feels to me like there (b)(5)
(b)(5)
(b)(5) I think (b)(5)
(b)(5) Thoughts on speakers would be helpful.

Thanks,
Tom

# Proposal for EIS Conference Special Session

## May 4–7, 2020

(Duration of session: 1 hour)

(b)(5)

(b)(5)

Page 005

(b)(5)

Page 006

(b)(5)

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Mon, 3 Feb 2020 12:12:42 +0000
**Subject:** Fwd: Daily OD nCoV Morning Update - February 2, 2020

Get Outlook for iOS
**From:** Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Sent:** Monday, February 3, 2020 7:11:58 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>; Wolfe, Mitchell (CDC/OD) <msw6@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>; Weinbaum, Cindy (CDC/DDID/NCIRD/ISD) <chw4@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Subject:** Daily OD nCoV Morning Update - February 2, 2020

## nCoV Response update Feb 3, 2020

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

*Data Current as of Feb 3, 2020 12:00 AM (EST)*

**NSC Request for Information**

(b)(5)

**Domestic Updates**

**Laboratory-confirmed nCoV Cases in the US**

Table: updates in YELLOW

| PUI ID | State | Age | Sex | Date of illness onset | Date of specimen collection | Date of nCoV | Exposure | Number of nCoV Positive |
|---|---|---|---|---|---|---|---|---|

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

**Cases pending official announcement:**

None

**Noteworthy suspect cases:**

None

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Wed, 29 Jan 2020 18:24:11 +0000
**To:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD)
**Subject:** RE: Daily AM OD Updates nCoV - Jan 29th - CORRECTION

Hi, LeAnne,

Thanks!

Ashley

**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Wednesday, January 29, 2020 8:07 AM
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>
**Subject:** RE: Daily AM OD Updates nCoV - Jan 29th - CORRECTION

Apologies all — correction below.

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**NSC Request for Information**

(b)(5)

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(b)(5)

(b)(5)

(b)(5)

LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

Chief, Meningitis and Vaccine Preventable Diseases
Division of Bacterial Diseases
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention
1600 Clifton Road, NE, MS H 24-6
Atlanta, GA 30329-4027
Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Fry, Alicia (CDC/DDID/NCIRD/ID)
**Sent:** Thu, 23 Jan 2020 13:38:44 +0000
**To:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD);Oliver, Sara Elizabeth (CDC/DDID/NCIRD/DBD);Blain, Amy (CDC/DDID/NCIRD/DBD)
**Cc:** Hall, Aron (CDC/DDID/NCIRD/DVD)
**Subject:** RE: Imported case of 2019-nCoV in Taiwan

Thanks LeAnne,
Today we will identify a person for this role. I think the team thought that you and Carolyn were doing this now.

Thanks
Alicia

**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Thursday, January 23, 2020 5:09 AM
**To:** Oliver, Sara Elizabeth (CDC/DDID/NCIRD/DBD) <yxo4@cdc.gov>; Blain, Amy (CDC/DDID/NCIRD/DBD) <wgi9@cdc.gov>
**Cc:** Fry, Alicia (CDC/DDID/NCIRD/ID) <agf1@cdc.gov>; Hall, Aron (CDC/DDID/NCIRD/DVD) <esg3@cdc.gov>
**Subject:** FW: Imported case of 2019-nCoV in Taiwan

Information on Taiwan case below.

Sara, given you are working on PUIs, I'm not sure who is compiling the epi information on international cases. Amy has begun this, but need to check with Alicia and Aron.

Thanks,

LeAnne

**From:** dpliu@cdc.gov.tw <dpliu@cdc.gov.tw>
**Sent:** Thursday, January 23, 2020 12:58 AM
**To:** Uyeki, Timothy M. (CDC/DDID/NCIRD/ID) <tmu0@cdc.gov>
**Cc:** '羅一鈞' <loyichun@cdc.gov.tw>; Greene, Carolyn M. (CDC/DDID/NCIRD/ID) <cqg4@cdc.gov>; Shieh, Wun-Ju (CDC/DDID/NCEZID/DHCPP) <wbs9@cdc.gov>; '黃婉婷' <muagi@cdc.gov.tw>; Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>; 許瑜真yuchen <hsuyuchen1108@yahoo.com>
**Subject:** RE: Imported case of 2019-nCoV in Taiwan

Dear Dr. Uyeki,

Thank you so much for providing the information; we will keep it strictly confidential. Please keep me posted if you have further information, especially [redacted] contact history in China.

Best Regards,

Christine

**From:** Uyeki, Timothy M. (CDC/DDID/NCIRD/ID) <tmu0@cdc.gov>
**Sent:** Thursday, January 23, 2020 12:15 PM
**To:** 劉定萍 <dpliu@cdc.gov.tw>
**Cc:** 羅一鈞 <loyichun@cdc.gov.tw>; Greene, Carolyn M. (CDC/DDID/NCIRD/ID) <cqg4@cdc.gov>; Shieh, Wun-Ju (CDC/DDID/NCEZID/DHCPP) <wbs9@cdc.gov>; 黃婉婷 <muagi@cdc.gov.tw>; Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Subject:** RE: Imported case of 2019-nCoV in Taiwan

Dear Dr. Ding-Ping Liu,

Thank you so much for kindly sharing the information on your patient. Hopefully, the patient will recover. I apologize for the delay in responding and also I do not have much information to share about the U.S. case-patient. We are working with the local and state public health authorities in Washington state – they are leading the epidemiology investigations. The case-patient is a previously healthy [redacted] who returned from Wuhan to the U.S. on Jan. 15th and reportedly had onset of slight fever and cough the next day, but has had mild respiratory symptoms, slight myalgia, with intermittent fever – no fever when [redacted] presented to a clinic on Jan 19th, and has been clinically stable with no need for supportive medical care, but was isolated in a hospital for monitoring and further testing. Respiratory specimens collected on Jan. 19th were positive by the new CDC rRT-PCR assay. The patient remains clinically stable in hospital isolation – again for monitoring purposes, with no supportive care. Please keep confidential.

Best wishes,
Tim

**From:** 劉定萍 <dpliu@cdc.gov.tw>
**Sent:** Wednesday, January 22, 2020 10:53 AM
**To:** Uyeki, Timothy M. (CDC/DDID/NCIRD/ID) <tmu0@cdc.gov>
**Cc:** 羅一鈞 <loyichun@cdc.gov.tw>; Greene, Carolyn M. (CDC/DDID/NCIRD/ID) <cqg4@cdc.gov>; Shieh, Wun-Ju (CDC/DDID/NCEZID/DHCPP) <wbs9@cdc.gov>; 黃婉婷 <muagi@cdc.gov.tw>
**Subject:** Imported case of 2019-nCoV in Taiwan

Dear Dr. Uyeki,

Your request has been well received. The information about the first imported case of 2019-nCoV in Taiwan is as follows, hopefully it would be helpful for you:

The patient is a [redacted] living in [redacted] District, Wuhan, with history of hypothyroidism. [redacted] did not visit traditional markets (including Wuhan Huanan Seafood Wholesale Market) and hospitals, nor contact with patients under investigation for 2019-nCoV infection in Wuhan or live animals in Wuhan city.

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On January 11, 2020, [redacted] developed fever, sore throat, cough, and did not seek medical attention but self-medicated instead in Wuhan. On January 20, [redacted] flew from Wuhan to Taoyuan Airport. Upon arrival, [redacted] self-reported [redacted] illness to quarantine officer, was found fever (temperature 38 degree Celsius) and hypoxic (SpO2 88%, room air), and immediately transferred and admitted to a designated hospital.

[redacted] was confirmed as a 2019-nCoV infection on January 21, 2020, by Real-Time PCR. The patient has bilateral pulmonary patchy infiltrates at chest radiography and was classified as severe pneumonia according to WHO interim guideline (respiratory rate 20/min, SpO2 93% O2 cannula flow 3l/min). Laboratory examinations showed leukopenia (WBC 4620 /uL, neutrophil 84%), a high C-reactive protein level (8.7 mg/dl), and abnormal liver function (aspartate aminotransferase 78 U/l).

Contact tracing and epidemiological investigations, including 46 flight crew and passengers, are underway. Public risk communication has been enhanced.

Taiwan has strengthened surveillance and prevention measures. Since December 31, 2019, TCDC has been implementing onboard quarantine of all direct flights arriving from Wuhan. Since January 1, an interim reporting guidance for pneumonia of unknown cause with Wuhan travel history was implemented. Since January 15, 2020, the 2019-nCoV infection was listed as a category 5 communicable disease for strengthening control and prevention efforts. Since January 20, 2020, a level 3 National Health Command Center for integrating resources and control measures against 2019-nCoV infection has been established. We will keep collaborating with the WHO and international partners to combat the outbreak.

Thank you very much for your attention to this matter. I'll appreciate it if you could also share the information about the first imported case in the United States.

Best Regards,

Christine

Christine Ding-Ping Liu, PhD
IHR NFP
Director, Epidemic Intelligence Center
Centers for Disease Control, Taiwan
TEL：+886-2-23958702
FAX：+886-2-23210110
E-mail：dpliu@cdc.gov.tw

從我的 iPhone 傳送

羅一鈞 <loyichun@cdc.gov.tw> 於 2020年1月22日 下午11:15 寫道：

Looks like we were both sending to each other! Please refer to my earlier email. We are more than happy to share info with US CDC in this emergency that has to be responded jointly.

Philip

On Wed, Jan 22, 2020 at 23:06 Uyeki, Timothy M. (CDC/DDID/NCIRD/ID) <tmu0@cdc.gov> wrote:

Dear Dr. Yi-Chun,

We appreciate the introduction by Dr. Shieh, who I have worked with for a long time at CDC. My colleague Dr. Greene and I are very busy working on the CDC response to this novel coronavirus, and are reaching out to see if you can share some epidemiological and clinical details about the first case of 2019-nCoV that was confirmed in Taiwan. Let us know about the confidentiality of the information that you can share – for example, we can share within CDC for our international team working on the response – whatever you advise. Yesterday, we reported the first U.S. case – the patient is clinically stable with mild disease – isolated in hospital, but not for medical supportive care.

I am sure that you will detect more cases in the days and weeks to come, as will we in the U.S.
Best wishes,
Tim

Tim Uyeki MD, MPH, MPP
CDC 2019-Novel Coronavirus Response Clinical Team Lead
Chief Medical Officer
Influenza Division
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention
Mailstop H24-7
1600 Clifton Road, N.E.
Atlanta, Georgia 30329
Office phone: 404-639-0277
Email: tmu0@cdc.gov

**From:** Shieh, Wun-Ju (CDC/DDID/NCEZID/DHCPP) <wbs9@cdc.gov>
**Sent:** Wednesday, January 22, 2020 9:47 AM
**To:** Uyeki, Timothy M. (CDC/DDID/NCIRD/ID) <tmu0@cdc.gov>
**Cc:** Philip, Yi-Chun Lo <loyichun@cdc.gov.tw>
**Subject:** Re: contact(s) in Taiwan

The Deputy Director, Dr. Philip Yi-Chun who is a former US CDC EIS officer should be an excellent contact.

Philip, Yi-Chun Lo: loyichun@cdc.gov.tw

**From:** Timothy Uyeki <tmu0@cdc.gov>
**Date:** Tuesday, January 21, 2020 at 6:28 PM
**To:** Wun-Ju Shieh <wbs9@cdc.gov>
**Subject:** contact(s) in Taiwan

Professor Shieh – with the first case of 2019-nCoV infection in Taiwan reported – do you have any suggestions for a good contact person or contacts to get more detailed information? Perhaps someone at the Taiwan CDC? I have communicated with folks from the Taiwan CDC in the past, but cannot remember who. I think you have referred some folks there to me. Do you have any suggestions for epi information, and also for clinical information on the case? [I am the CDC Clinical Lead for this response.]

Thanks,
Tim

**From:** Fry, Alicia (CDC/DDID/NCIRD/ID)
**Sent:** Sun, 26 Jan 2020 13:51:31 +0000
**To:** Cohn, Amanda (CDC/DDID/NCIRD/OD);Hall, Aron (CDC/DDID/NCIRD/DVD)
**Subject:** Re: leadership updates

Amanda one correction. 5 contacts are pui in IL.
Alicia

---

**From:** Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>
**Sent:** Sunday, January 26, 2020 7:27:30 AM
**To:** Fry, Alicia (CDC/DDID/NCIRD/ID) <agf1@cdc.gov>; Hall, Aron (CDC/DDID/NCIRD/DVD) <esg3@cdc.gov>
**Subject:** leadership updates

Hi Alicia and Aron- I know you guys are nuts, but if someone could quickly review and make sure this information is accurate for the 8:30 am OD leadership update? Thanks! Amanda

**Domestic Updates- FIUO**

**Patients Being Medically Evaluated in US (as of 1/25 7 PM):**

| | Numbers |
|---|---|
| **Total # Persons Evaluated/Under Evaluation** | 97 |
| **Total # Confirmed Cases** | 5 |
| **Total # persons with pending test results** | 70 |
| **Total # persons with negative test results** | 22* Able to be matched |
| **Persons reported by HD/Clinician** | 92 |
| **Persons reported by Airport screening** | 5 |
| **Persons Newly Identified in the prior 24 hours** | 20 |
| **Persons being evaluated who had contact with confirmed case** | 4 (2 IL, 2 WA) |

Around 85 calls in last 24 hours received and triaged to discuss medical evaluation of patients

**Summary of cases confirmed on 1/25:**

Case #5: Los Angeles, CA
[redacted] who had been staying with a [redacted] in Wuhan, who had cancer as well as fever and cough. On Jan 19, [redacted] left with [redacted] and traveled to Mexico on vacation. On Jan 22, the [redacted] received the news that the [redacted] in Wuhan had died and the [redacted] left Mexico and was transitioning through LAX on their way to China. They felt unwell, so they presented themselves to CBP where they were evaluated by quarantine medical officers. The [redacted] felt feverish and had cough, rhinorrhea, and body aches. Quarantine made the determination that they could not travel onward to China without being screened. Case [redacted] currently in respiratory isolation rooms in

hospital, [redacted] asymptomatic. **Positive on 1/25 for nCoV; First Case Detected at Airport.** [redacted] **tested negative on 1/25, testing on** [redacted] **pending results.**

- **DGMQ working on flight manifest and LAX airport**
- **International team working on notifying Mexico**
- **Deployment team ready if requested**

Case #4: Orange County, CA

[redacted] from Wuhan who came to visit (b)(6) in Orange County, CA on Jan 21. While in Wuhan, [redacted] developed subjective fevers, cough and runny nose on Jan 14th. No market/animal exposure. Clinically improving with persistent dry cough. Patient was evaluated at hospital on Jan 22nd with no radiographic abnormalities on chest x-ray and was not admitted. [redacted] discharged to the apartment where [redacted] is staying, but remains with fever, so will be admitted. [redacted] with [redacted] and is asymptomatic. **OP/NP swabs** collected on 1/22 returned **nCoV positive on 1/25.**

Case #3: Arizona

[redacted] with travel to China Jan 5-19 (Wuhan Jan 7, Hubei rest of time) with onset of productive cough and fever on Jan 21. Presented to Arizona State University student clinic in Phoenix, rapid influenza negative, respiratory viral panel pending. No comorbidities or sick contacts. Currently isolated in single dorm. NP, OP, serum, and sputum specimens sent to state lab. Specimens obtained 1/22, **OP/Sputum nCoV positive on 1/25**

- **First University related case**

**Summary of field investigations:**

**1st Confirmed nCoV Patient in Washington State:** remains stable, but intermittently febrile in the hospital in isolation and under airborne precautions. CDC team has arrived in Washington State and is working with state and local health authorities and hospital staff on patient assessment and follow-up and contact tracing. **Around 50 people identified in contact tracing in 3 counties, 2nd team has deployed to Washington to assist with investigation. Two persons from contact investigation currently being tested for nCoV.**

**2nd Confirmed nCoV Patient in Chicago** [redacted] with co-morbidities and travel to Wuhan from end Dec to 1/13. While in Wuhan, patient spent time in the hospital with [redacted] who died [redacted] from "viral pneumonia" as well as 2 other [redacted] hospitalized with "viral pneumonia". Patient's symptoms began 1/14 with fever, myalgias and cough. Patient hospitalized requiring oxygen in isolation, but clinically improved. **1/23: Positive nCoV, CDC team has deployed to Chicago for investigation. Two persons identified during contact investigation currently being tested for nCoV.**

**CA deployment for collection of autopsy specimens:** CDC assisted with collection of autopsy tissue specimens from a previously healthy adult who died in CA on 1/22 after returning to the US on 1/18 from 8-day trip to Shanghai (no travel to Wuhan). UDPATE: **Patient diagnosed with PE, NP swab tested negative for nCoV, additional tests pending but low suspicion for nCoV based on autopsy results.**

Amanda Cohn, MD
CAPT, USPHS

Chief Medical Officer
National Center for Immunization
And Respiratory Diseases
Centers for Disease Control and Prevention
Phone: 404-639-6039
Email: acohn@cdc.gov

**From:** Gerber, Susan I. (CDC/DDID/NCIRD/DVD)
**Sent:** Tue, 21 Jan 2020 01:56:32 +0000
**To:** Cohn, Amanda (CDC/DDID/NCIRD/OD);Burns, Erin (CDC/DDID/NCIRD/ID);Patel, Anita (CDC/DDID/NCIRD/OD);Jernigan, Daniel B. (CDC/DDID/NCIRD/ID)
**Cc:** Nordlund, Kristen (CDC/DDID/NCIRD/OD);LaPorte, Kathleen (CDC/DDID/NCIRD/ID)
**Subject:** RE: Communications Roll-Out Plan
**Attachments:** CDC Communications Rollout - Frist US case 2019 nCoV 1.20.20_eb2_AC_sig.docx

A few comments

**From:** Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>
**Sent:** Monday, January 20, 2020 8:31 PM
**To:** Burns, Erin (CDC/DDID/NCIRD/ID) <eub5@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Gerber, Susan I. (CDC/DDID/NCIRD/DVD) <bhx1@cdc.gov>
**Cc:** Nordlund, Kristen (CDC/DDID/NCIRD/OD) <hok4@cdc.gov>; LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>
**Subject:** RE: Communications Roll-Out Plan

Erin- This looks great. A couple of suggested edits. As discussed, we should consider [redacted]

Thanks,
Amanda

**From:** Burns, Erin (CDC/DDID/NCIRD/ID) <eub5@cdc.gov>
**Sent:** Monday, January 20, 2020 8:05 PM
**To:** Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Gerber, Susan I. (CDC/DDID/NCIRD/DVD) <bhx1@cdc.gov>
**Cc:** Nordlund, Kristen (CDC/DDID/NCIRD/OD) <hok4@cdc.gov>; LaPorte, Kathleen (CDC/DDID/NCIRD/ID) <wng2@cdc.gov>
**Subject:** Communications Roll-Out Plan

Michelle Bonds wanted us to get this to her ASAP. Would be good to get SME eyes on this. Michelle [redacted]

Erin Burns
Associate Director for Communications Science
Influenza Division
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention
404-639-4650

Eub5@cdc.gov

**From:** Gerber, Susan I. (CDC/DDID/NCIRD/DVD)
**Sent:** Fri, 14 Feb 2020 01:48:17 +0000
**To:** Holshue, Michelle L (DOH Fellow)
**Cc:** Biggs, Holly (CDC/DDID/NCIRD/DVD)
**Subject:** RE: EIS Conference Abstract: 1st US case of Novel CoV
**Attachments:** EIS_Abstract-COVID19-DRAFT6_sig.docx

Hi Michelle,

A couple of comments to consider.

Great job!

S

**From:** Holshue, Michelle L (DOH Fellow) <michelle.holshue@doh.wa.gov>
**Sent:** Thursday, February 13, 2020 5:26 PM
**To:** Hollianne, Bruce (DOHi) <hbruce@snohd.org>; Spitters, Christopher (DOHi) <christopher.spitters@comcast.net>; Kawakami, Vance (CDC kingcounty.gov) <vance.kawakami@kingcounty.gov>; Duchin, Jeff (CDC kingcounty.gov) <jeff.duchin@kingcounty.gov>; Erickson, Keith P <Keith.Erickson@providence.org>; Wilkerson, Sarah <Sarah.Wilkerson@providence.org>; Tural, Ahmet C <Ahmet.Tural@providence.org>; Diaz, George A <George.Diaz@providence.org>; DeBolt, Chas (DOH) <Chas.DeBolt@DOH.WA.GOV>; Chu, Victoria (CDC/DDID/NCIRD/DVD) <pgz4@cdc.gov>; Dyal, Jonathan (CDC/DDID/NCEZID/DHCPP) <pgz7@cdc.gov>; Pettrone, Kristen (CDC/DDPHSS/NCHS/DVS) <pho3@cdc.gov>; odg@cdc.gov; Vahey, Grace (CDC/DDID/NCEZID/DVBD) <pgy2@cdc.gov>; Kim, Lindsay (CDC/DDID/NCIRD/DVD) <iyn2@cdc.gov>; Biggs, Holly (CDC/DDID/NCIRD/DVD) <xdc6@cdc.gov>; Gerber, Susan I. (CDC/DDID/NCIRD/DVD) <bhx1@cdc.gov>; Lindstrom, Stephen (CDC/DDID/NCIRD/DVD) <sql5@cdc.gov>; Uyeki, Timothy M. (CDC/DDID/NCIRD/ID) <tmu0@cdc.gov>; Pillai, Satish K. (CDC/DDID/NCEZID/DPEI) <vig8@cdc.gov>
**Subject:** EIS Conference Abstract: 1st US case of Novel CoV

Hello all,

I would like to submit a late-breaker abstract to EIS Conference (possibly CSTE Conference as well) about our first confirmed case of COVID-19, from confirmation to contact tracing. I have attached the latest version of this document.

I would like to include all of you as authors.

I'll need to get this into CDC clearance quickly in order to meet the clearance deadline. If you are able to review **by COB Friday, Feb 14**, please:

1. Notify me if you do NOT want to be included as an author on the abstract
2. If you DO want to be included:
    a. Verify name (note that degrees are not listed on EIS abstracts)
    b. Send me any comments/edits (note the 300 word limit)

I know everyone is extremely busy with coronavirus response, and I really appreciate your time.

Thank you for your work!
Michelle

**Michelle L. Holshue, MPH, BSN, RN**
LCDR, U.S. Public Health Service
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**From:** Gerber, Susan I. (CDC/DDID/NCIRD/DVD)
**Sent:** Sun, 1 Mar 2020 03:26:55 +0000
**To:** Oliver, Sara Elizabeth (CDC/DDID/NCIRD/DBD);Fleming-Dutra, Katherine E. (CDC/DDID/NCIRD/DBD)
**Subject:** FW: CA Team LNO call summary (more details will come later from the teams)

fyi

**From:** McQuiston, Jennifer H. (CDC/DDID/NCEZID/DHCPP) <fzh7@cdc.gov>
**Sent:** Saturday, February 29, 2020 10:23 PM
**To:** Bialek, Stephanie R. (CDC/DDPHSIS/CGH/DPDM) <zqg7@cdc.gov>; Gerber, Susan I. (CDC/DDID/NCIRD/DVD) <bhx1@cdc.gov>; Armstrong, Gregory (CDC/DDID/NCEZID/OD) <gca3@cdc.gov>
**Cc:** Belay, Ermias (CDC/DDID/NCEZID/DHCPP) <ebb8@cdc.gov>; Braden, Chris (CDC/DDID/NCEZID/OD) <crb5@cdc.gov>; Fischer, Marc (CDC/DDID/NCEZID/DVBD) <mxf2@cdc.gov>; Mead, Paul (CDC/DDID/NCEZID/DVBD) <pfm0@cdc.gov>
**Subject:** CA Team LNO call summary (more details will come later from the teams)

My notes from 9pm call

- Solano case Community Investigation
  - Results are negative for both [redacted] (PUI [redacted] and [redacted] of the [redacted] County case; relieves concern over [redacted] exposure
  - Results are also negative (Santa Clara county lab) of the [redacted] household contacts of the Solano County case who live in [redacted] however, there are plans to retest some, possibly due to some kind of irregularity in the test results.
  - Still deciding if worth it to try to [redacted] or not
- VaccaValley HCW investigations:
  - 34 have been swabbed as PUIs.
  - Results are back on the first 13 to be run, and 2 [redacted] and [redacted] are positive. Both were initially stratified as medium risk. 1 is a Solano county resident and 1 is an Alameda county resident. These had symptom onset on 2/21 and 2/24; HCW furloughs didn't start until the 26th. They will plan to make a public announcement tomorrow.
  - There are ~ 20 [redacted] HCW contacts left to contact.
- UCDavis HCW investigations: No real updates here, there are 3 PUIs pending from yesterday at the CDPH lab. Little details how the investigation is going, CDC is less engaged on this.
- Santa Clara case Investigation
  - CNN reporting the positive case in the [redacted] of the case
  - 16 contacts being investigated, waiting on breakdowns by quarantine, PUIs, etc
  - HCW risk stratification complete, will be working on contacting and identifying PUIs
  - Call scheduled tomorrow with Solano County to discuss risk mitigation, may include King County
- Asks/Needs

- Need to understand CDPH and county test kit projections, will impact community surveillance decisions. (If CA is getting more kits: unclear how those will be shared with county labs)
- Still feel the gap of CDC guidance on how to implement/trigger NPI community mitigation measures. Would like to understand if CDC supports county actions or not.
- Has the modelling team done any work with NPI/Community mitigation?
- For Future discussion: will reach a point where streamlining/limiting contact tracing may become necessary as resources are overwhelmed. Would be good to understand when that threshold is passed.
- Also may need to be thinking about rethinking the highly conservative approach for managing HCW exposures – system cannot manage if all workers are furloughed.

Jennifer McQuiston, Headquarters Liasion for COVID-19 Response
Fzh7@cdc.gov, 404-316-9613

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Fri, 24 Jan 2020 00:25:03 +0000
**To:** Redd, Stephen (CDC/DDPHSIS/OD)
**Subject:** Fwd: SITREP 2019 Novel Coronavirus (nCoV) - 1/23
**Attachments:** SITREP Novel Coronavirus 01202023.pdf

Get Outlook for iOS
**From:** CDC IMS 2019 NCOV Response Deputy Incident Manager <eocevent259@cdc.gov>
**Sent:** Thursday, January 23, 2020 7:22 PM
**To:** Schuchat, Anne MD (CDC/OD); Berger, Sherri (CDC/OCOO/OD); McGowan, Robert (Kyle) (CDC/OD/OCS)
**Cc:** Messonnier, Nancy (CDC/DDID/NCIRD/OD); Bonds, Michelle E. (CDC/OD/OADC); Butler, Jay C. (CDC/DDID/OD); Dreyzehner, John (CDC/DDPHSIS/CPR/OD); Khabbaz, Rima (CDC/DDID/NCEZID/OD); Jernigan, Daniel B. (CDC/DDID/NCIRD/ID); Martin, Rebecca (CDC/DDPHSIS/CGH/OD)
**Subject:** SITREP 2019 Novel Coronavirus (nCoV) - 1/23

Good Evening,
Please see the attached Situational Report on the 2019 Novel Coronavirus (2019-nCoV) for January 23rd, 2020.
Best,
Dani
Danielle Moulia, MPH
SA to Anita Patel, Deputy IM
2019 Novel Coronavirus (2019-nCoV) Response
Centers for Disease Control and Prevention


**2019 Novel Coronavirus (2019-nCoV)**
**Situational Report**
**January 23, 2020**
**Report Day 23 (new information in blue)**

## Topline Messages

- The first case of 2019-nCoV was confirmed in Washington State on January 20th.
  - CDC deployed a multidisciplinary team to Washington to assist with clinical management, contact tracing and communications.
- There are 581 cases of confirmed 2019-nCoV in 5 countries as of January 23rd
- Both human to human transmission amongst close contacts and transmission to health care workers has been documented.
- CDC travel health noticed elevated to level 3 (avoid non essential travel) for Wuhan
- Entry screening started in Atlanta (ATL) and Chicago (ORD) airports, in addition to screening currently taking place at San Francisco (SFO), Los Angeles (LAX), and John F Kennedy (JFK). Passengers will be funneled (reticketed) from Wuhan through these 5 airports. 2,055 persons were screened as of 1/22/2020 and 1 was referred for medical evaluation.

## Status of Outbreak (as of 10 am 1/23/2020)

**Current 2019-nCoV Cases Officially Reported**

| 1st Reported | Latest Onset | Location | Total # Cases | # of Deaths |
|---|---|---|---|---|
| 12/31/2019 | Latest reported onset 1/13/2020, unknown for most recent cases | China<br>25 affected provinces | 571 | 17 |
| 1/21/20 | 1/11/2020 | Taiwan | 1 | 0 |
| 1/22/20 | Unknown | Hong Kong | 1 | 0 |
| 1/22/20 | 1/12/2020 | Macau | 1 | 0 |
| 1/13/2020 | 1/16/2020 | Thailand | 4 | 0 |
| 1/15/2020 | 1/03/2020 | Japan | 1 | 0 |
| 1/18/2020 | 1/18/2020 | The Republic of Korea | 1 | 0 |
| 1/20/2020 | 1/16/2020 | United States | 1 | 0 |

- China's National Health Commission has confirmed that infections have been reported in health care workers. These include: 15 health care worker infections in Wuhan (plus 1 suspected case). One of the 16 patients is in critical condition while the rest are in stable condition.
- There is a travel suspension four cities in China as of the morning of January 23.
- Some travel restrictions have been instituted in Wuhan including barring group tours from travelling outside of Wuhan and random checks on private vehicles entering and leaving Wuhan for live birds and wild animals.

- Wuhan Health experts locally are recommending that citizens pay attention to maintaining indoor air circulation, avoid closed and airless public places and crowded places, and wear masks when necessary. Persons with symptoms are instructed to seek medical attention

## CDC Response Activities

**International Coordination**

- CDC continues monitoring the international situation through CDC country offices and Ministry of Health contacts in the affected countries, in-country teams, and WHO. CDC has detailed several staff to WHO in Geneva who are assisting with the nCoV response.

**Domestic Coordination**

- Staffing for all task forces has been augmented. Plans for domestic mitigation strategies under development.
- On January 21, CDC hosted a national call with more than 1,587 state and local partners to provide the latest information on the novel coronavirus outbreak and U.S. preparedness efforts.
- CDC will host a recurring weekly call from 2:00 p.m. to 2:45 p.m. EST beginning Monday, January 27, to provide state and local partners with the latest information on the novel coronavirus outbreak and U.S. preparedness efforts. Invited participants include state, local, and territorial preparedness directors, state epidemiologists, state health officials, public health laboratory directors, and nongovernmental partners.
- CDC will host a recurring weekly leadership strategy call from 10 a.m. to 11 a.m. EST every Friday, to provide a platform to discuss relevant response matters with leadership from key national partners. Invited participants include APHL, ASTHO, CSTE, and NACCHO.

**Laboratory and Epidemiology**

- CDC has developed a real time RT-PCR assay to detect the 2019-nCoV for global and domestic use and has been added to CDC's CLIA certificate. In addition to the real time RT-PCR assay, the CDC laboratory also has the capacity to detect 2019-nCoV by sequencing virus isolates and comparing the sequences against the genetic sequence released by China.
- CDC laboratory is coordinating to provide assays and reagents to priority countries and initiating manufacturing of reagents for 2019-nCoV real time RT-PCR assay for domestic and international distribution.
- CDC is working with clinicians and state health departments to test potential nCoV cases.
- CDC is developing tracking and training materials for evaluating cases and contacts and specimen collection.
- Remotely supporting CDC field team deployed to Washington state with healthcare infection prevention-control, reviewing healthcare contact investigation tools, and communications

**Border Screening**

- Travelers' Health webpage updates include posting:
  - Level 3 travel health notice (avoid non-essential travel) for Wuhan.
- New level 1 travel health notice (usual precaution) for China
  - Alert text box on Travelers' Health webpage on China.
  - Alert text box on Lunar New Year page
- Social media posted for both TNHs.
- Letter sent to American College Health Association providing resources to college/university med units across the US (over 800 institutions).
- Updates sent through GeoS, GTEN and ISTM today.
- Provided info on THNs and traveler screening to International SOS partner webinar (2,500 participants).
- Entry screening started in Atlanta (ATL) and Chicago (ORD) airports.
- 2,055 persons on 200 flights were screened as of 1/22/2020 and 1 was referred for medical evaluation

**Medical Care and Countermeasures**

- Planning for potential use of investigational therapeutics and participating WHO clinical network calls
- PPE supply chain partners engaged to increase awareness on supply chain status.
- Working with internal and external partners to assist in decision making for deployers conducting airport screenings, disseminating information to EMS providers, and revising Home Care documents on isolation for confirmed patients.
- Supporting infection prevention and control discussions with WHO and CDC Country Offices and as needed for US persons under investigation and potential confirmed cases
- Expanding interim healthcare IPC guidance for novel coronaviruses and developing targeted implementation guidance for EMS providers
- Remotely supporting Washington field team with healthcare IPC, reviewing healthcare contact investigation tools

**Communications and Policy**

- Held a media telebriefing on January 21st to provide an update on the first US case of 2019-nCoV.
- A press release was issued on January 21st
- Continuing to update the 2019-nCoV website with new information.
- Communications messages were developed for the expanding entry screening to Atlanta and Chicago and funneling all Wuhan passengers to one of 5 airports now conducting screening.
- Responded to multiple congressional inquiries
- Remotely supporting Washington field team with healthcare IPC, reviewing healthcare contact investigation tools

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Thu, 23 Jan 2020 23:59:42 +0000
**To:** Berger, Sherri (CDC/OCOO/OD)
**Subject:** Fwd: SITREP 2019 Novel Coronavirus (nCoV) - 1/22
**Attachments:** SITREP Novel Coronavirus 01202022.pdf

Get Outlook for iOS
**From:** Moulia, Danielle L. (CDC/DDID/NCIRD/OD) (CTR) <wwe8@cdc.gov>
**Sent:** Wednesday, January 22, 2020 6:43:28 PM
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Cc:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>; Dreyzehner, John (CDC/DDPHSIS/CPR/OD) <PWN3@cdc.gov>; Martin, Rebecca (CDC/DDPHSIS/CGH/OD) <rtm4@cdc.gov>; Khabbaz, Rima (CDC/DDID/NCEZID/OD) <rfk1@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>
**Subject:** SITREP 2019 Novel Coronavirus (nCoV) - 1/22

Good Evening,

Please see the attached Situational Report on 2019 Novel Coronavirus (2019-nCoV) for January 22nd, 2020.

Best,

Danielle Moulia, MPH
2019 Novel Coronavirus (nCoV) Response
Centers for Disease Control and Prevention

Mobile: 510-229-7178
Email: wwe8@cdc.gov


**2019 Novel Coronavirus (2019-nCoV)**
**Situational Report**
**January 22, 2020**
**Report Day 22 (new information in blue)**

## Topline Messages

- The first case of 2019-nCoV was confirmed in Washington State on January 20th.
  - CDC deployed a multidisciplinary team to Washington to assist with clinical management, contact tracing and communications.
- There are 448 cases of confirmed 2019-nCoV in 5 countries as of January 22nd
- Both human to human transmission amongst close contacts and transmission to health care workers has been documented.
- Airport screening will begin in Atlanta (ATL) and Chicago (ORD) Friday on 1/24, in addition to screening currently taking place at San Francisco (SFO), Los Angeles (LAX), and John F Kennedy (JFK). Health communication messages will be distributed at Atlanta (ATL) and Chicago (ORD) airports beginning this evening. Passengers will be funneled (reticketed) from Wuhan through these 5 airports. 1,739 persons were screened as of 1/21/2020 and none were referred for medical evaluation.
- CDC travel health noticed was elevated to level 2, practice enhanced precautions, on 1/21/2020.

## Status of Outbreak (as of 10 am 1/22/2020)

**Current 2019-nCoV Cases Officially Reported**

| 1st Reported | Latest Onset | Country | Total # Cases | # of Deaths |
|---|---|---|---|---|
| 12/31/2019 | Latest reported onset 1/13/2020, unknown for most recent cases | Mainland China | **440** | 9 |
| | | Wuhan City | 375 | |
| | | Beijing | 10 | |
| | | Guangdong Province | 26 | |
| | | Shanghai | 9 | |
| | | Chongqing | 5 | |
| | | Zhejiang Province | 5 | |
| | | Jiangxi | 2 | |
| | | Sichuan Province | 2 | |
| | | Tianjin | 2 | |
| | | Henan Province | 1 | |
| | | Hunan Province | 1 | |
| | | Shandong Province | 1 | |
| | | Yunnan Province | 1 | |
| 1/13/2020 | 1/16/2020 | Thailand | **4** | 0 |
| 1/15/2020 | 1/03/2020 | Japan | **1** | 0 |
| 1/18/2020 | 1/18/2020 | The Republic of Korea | **1** | 0 |

| | | | | |
|---|---|---|---|---|
| 1/20/2020 | 1/16/2020 | United States | 1 | 0 |
| 1/21/2020 | Unknown | Outside mainland China | 1 | 0 |

- China's National Health Commission has confirmed that infections have been reported in health care workers. These include: 15 health care worker infections in Wuhan (plus 1 suspected case). One of the 16 patients is in critical condition while the rest are in stable condition.
- In Wuhan, out of 270 patients, currently, 239 patients are still being treated in the hospital, of which 51 cases are severely ill and 12 cases are critically ill. They are all under isolation/treatment at designated medical facilities. A total of 1,070 close contacts have been tracked, 739 people have been released from medical observation, and 331 people are still receiving medical observation. Per report, active case finding is going on in all parts of China now with screening using thermal scanners at airports, railway stations and bus terminals. In addition, screening has been implemented in the 72 "fever clinics" in Wuhan city where 2000 fever patients are seen daily.
- All live animal sales in Wuhan are prohibited.
- Some travel restrictions have been instituted in Wuhan including barring group tours from travelling outside of Wuhan and random checks on private vehicles entering and leaving Wuhan for live birds and wild animals.
- Wuhan Health experts locally are recommending that citizens pay attention to maintaining indoor air circulation, avoid closed and airless public places and crowded places, and wear masks when necessary. Persons with symptoms are instructed to seek medical attention

## CDC Response Activities

**International Coordination**

- CDC continues monitoring the international situation through CDC country offices and Ministry of Health contacts in the affected countries, in-country teams, and WHO.

**Domestic Coordination**

- On January 21, CDC hosted a national call with more than 1,587 state and local partners to provide the latest information on the novel coronavirus outbreak and U.S. preparedness efforts.
- CDC will begin hosting various weekly calls with state and local partners and leadership from APHL, ASTHO, CSTE, and NACCHO to update partners on new developments and discuss relevant response matters.
- CDC will host a recurring weekly call beginning January 27, to provide state and local partners with the latest information on the novel coronavirus outbreak and U.S. preparedness efforts.
- CDC will host a recurring weekly leadership strategy call to provide a platform to discuss relevant response matters with leadership from key national partners. Invited participants include APHL, ASTHO, CSTE, and NACCHO.

**Laboratory and Epidemiology**

- CDC has developed a real time RT-PCR assay to detect the 2019-nCoV for global and domestic use and has been added to CDC's CLIA certificate. In addition to the real time RT-PCR assay, the CDC laboratory also has the capacity to detect 2019-nCoV by sequencing virus isolates and comparing the sequences against the genetic sequence released by China.
- CDC laboratory is coordinating to provide assays and reagents to priority countries and initiating manufacturing of reagents for 2019-nCoV real time RT-PCR assay for domestic and international distribution.
- CDC is working with clinicians and state health departments to test potential 2019-nCoV cases.
- CDC is developing tracking and training materials for evaluating cases and contacts and specimen collection.

**Border Screening**

- Traveler entry screening continues in San Francisco (SFO), Los Angeles (LAX) and New York City (JFK) airports. 1,739 passengers arriving from Wuhan have been screened since entry screening was implemented on 1/17/2020, and none required referral for medical evaluation.
- CDC is working with DHS to expand the screening of travelers from Wuhan to Atlanta (ATL) and Chicago (ORD) airports. Once implemented, all Wuhan air travelers would be rerouted through five airports as an initial port of entry into the United States.
- Meeting with international M5 and airline industry partners to discuss rational for traveler entry screening operations and expansion of screening to additional airports.

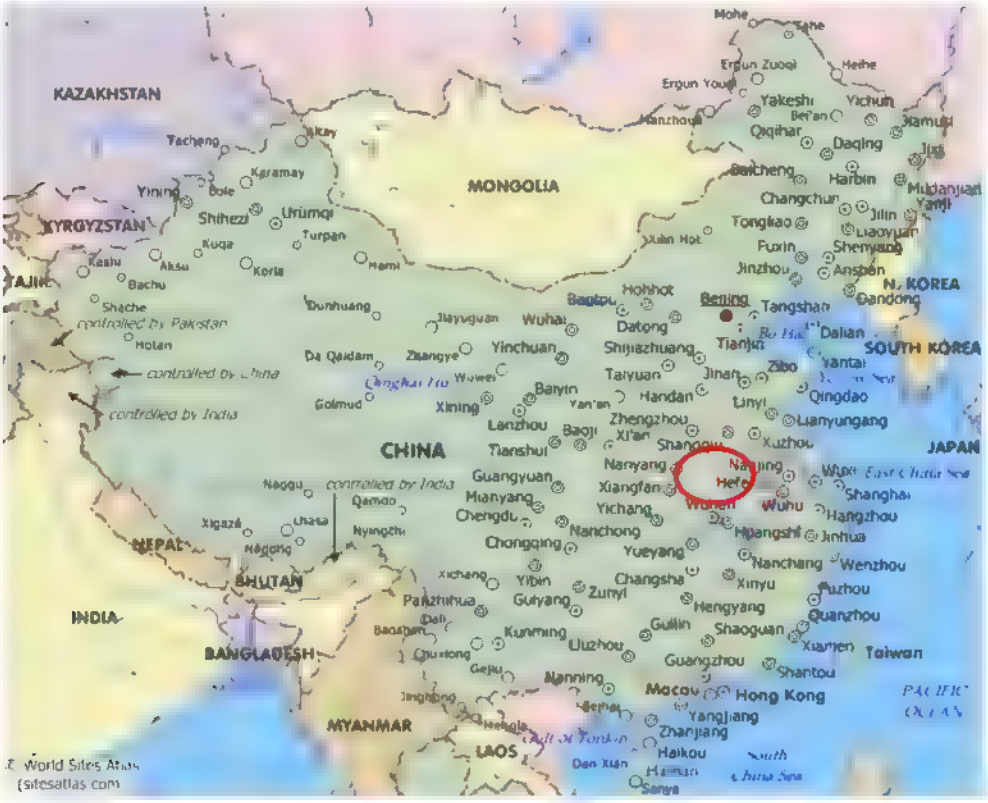
**Medical Care and Countermeasures**

- Planning for potential use of investigational therapeutics and participating WHO clinical network calls
- PPE supply chain partners engaged to increase awareness on supply chain status.
- Working with internal and external partners to assist in decision making for deployers conducting airport screenings, disseminating information to EMS providers, and revising Home Care documents on isolation for confirmed patients.
- Supporting infection prevention and control discussions with WHO and CDC Country Offices and as needed for US persons under investigation and potential confirmed cases

**Communications**

- Held a media telebriefing on January 21st to provide an update on the first US case of 2019-nCoV.
- A press release was issued on January 21st
- Continuing to update the 2019-nCoV website with new information.
- Communications messages were developed for the expanding entry screening to Atlanta and Chicago and funneling all Wuhan passengers to one of 5 airports now conducting screening.

## Maps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**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Sun, 26 Jan 2020 17:03:21 +0000
**To:** Redd, Stephen (CDC/DDPHSIS/OD)
**Subject:** Fwd: Daily OD nCoV Update Jan 26

Internal only data below from the morning. Thanks for your flexibility w dc. So glad you can do this

Get Outlook for iOS
**From:** Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>
**Sent:** Sunday, January 26, 2020 8:17 AM
**To:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD); Messonnier, Nancy (CDC/DDID/NCIRD/OD); Cetron, Marty (CDC/DDID/NCEZID/DGMQ); Schuchat, Anne MD (CDC/OD); Redfield, Robert R. (CDC/OD); Berger, Sherri (CDC/OCOO/OD); McGowan, Robert (Kyle) (CDC/OD/OCS); Butler, Jay C. (CDC/DDID/OD)
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID); Patel, Anita (CDC/DDID/NCIRD/OD)
**Subject:** Daily OD nCoV Update Jan 26

Hello everyone,
Here are the updates for 1/26 AM:
**Domestic Updates**

**Patients Being Medically Evaluated in US (as of 1/25 7 PM):**

| | Numbers |
|---|---|
| **Total # Persons Evaluated/Under Evaluation** | 97 |
| **Total # Confirmed Cases** | 5 |
| **Total # persons with pending test results** | 70 |
| **Total # persons with negative test results** | 22* Able to be matched |
| **Persons reported by HD/Clinician** | 92 |
| **Persons reported by Airport screening** | 5 |
| **Persons Newly Identified in the prior 24 hours** | 20 |
| **Persons being evaluated who had contact with confirmed case** | 7 (5 IL, 2 WA) |

Around 85 calls in last 24 hours received and triaged to discuss medical evaluation of patients

**Summary of cases confirmed on 1/25:**

Case #5: Los Angeles, CA
[redacted]yo [redacted] who had been staying with [redacted] who had cancer as well as fever and cough. On Jan 19 [redacted] left with [redacted] traveled to Mexico on [redacted]. On Jan 22, the [redacted] received the news [redacted] had died and the [redacted] and was

transitioning through LAX on their way to China. [redacted] felt unwell, so they presented themselves to CBP where they were evaluated by quarantine medical officers. The [redacted] felt feverish and had cough, rhinorrhea, and body aches. Quarantine made the determination that they could not travel onward to China without being screened. [redacted] currently in respiratory isolation rooms in hospital, [redacted] asymptomatic. **Positive on 1/25 for nCoV; First Case Detected at Airport.** [redacted] **tested negative on 1/25, testing on child pending results.**

- **DGMQ working on flight manifest and LAX airport**
- **International team working on notifying Mexico**
- **Deployment team ready if requested**

Case #4: Orange County, CA

[redacted] yo [redacted] from [redacted] who came to visit [redacted] in Orange County, CA on Jan 21. While in Wuhan, [redacted] developed subjective fevers, cough and runny nose on Jan 14th. No market/animal exposure. Clinically improving with persistent dry cough. Patient was evaluated at hospital on Jan 22nd with no radiographic abnormalities on chest x-ray and was not admitted. [redacted] discharged to the apartment where [redacted] staying, but remains with fever, so will be admitted. [redacted] with [redacted] and is asymptomatic. **OP/NP swabs** collected on 1/22 returned **nCoV positive on 1/25.**

Case #3: Arizona

[redacted] yo man with travel to China Jan 5-19 (Wuhan Jan 7, Hubei rest of time) with onset of productive cough and fever on Jan 21. Presented to Arizona State University student clinic in Phoenix, rapid influenza negative, respiratory viral panel pending. No comorbidities or sick contacts. Currently isolated in single dorm. NP, OP, serum, and sputum specimens sent to state lab. Specimens obtained 1/22, **OP/Sputum nCoV positive on 1/25**

- **First University related case**

**Summary of field investigations:**

**1st Confirmed nCoV Patient in Washington State:** remains stable, but intermittently febrile in the hospital in isolation and under airborne precautions. CDC team has arrived in Washington State and is working with state and local health authorities and hospital staff on patient assessment and follow-up and contact tracing. **Around 50 people identified in contact tracing in 3 counties, 2nd team has deployed to Washington to assist with investigation. Two persons from contact investigation currently being tested for nCoV.**

**2nd Confirmed nCoV Patient in Chicago:** [redacted] yo female with co-morbidities and travel to Wuhan from end Dec to 1/13. While in Wuhan, patient spent time in the hospital with her ill [redacted] who died 12/31 from "viral pneumonia" as well as [redacted] hospitalized with "viral pneumonia". Patient's symptoms began 1/14 with fever, myalgias and cough. Patient hospitalized requiring oxygen in isolation, but clinically improved. **1/23: Positive nCoV, CDC team has deployed to Chicago for investigation. Five persons identified during contact investigation currently being tested for nCoV.**

**CA deployment for collection of autopsy specimens:** CDC assisted with collection of autopsy tissue specimens from a previously healthy adult who died in CA on 1/22 after returning to the US on 1/18 from 8-day trip to Shanghai (no travel to Wuhan). UDPATE: **Patient diagnosed with PE, NP swab tested negative for nCoV, additional tests pending but low suspicion for nCoV based on autopsy results.**

-

**Travel and Airport Screening**

**China Embassy/Consular/AmCit Updates**

**Wuhan US Mission personnel, including families, contractors, American citizens and some 3rd party nationals will be evacuated by aircraft over the weekend.** Two medical personnel will be aboard to provide medical monitoring, if needed. Based on the EAC call this morning, it sounds as if the plane will be departing Wuhan on Tuesday morning and will be arriving as planned in Anchorage. The exact passenger manifest remains to be determined as this flight will primarily take consulate staff and family members, non-official Americans, and third country nationals on a space available basis.

**Airport Screening:**

Jan 24 - Passenger arrived in Detroit from Shanghai (passenger not from Wuhan, but attended meetings with many people from Wuhan) with fever and cough and requested to be transported to hospital for evaluation of nCoV. Following up.

Jan 23 - One outbound passenger referred for medical evaluation. Following up.

Screening continues at Atlanta, Chicago, San Francisco, Los Angeles and New York (JFK). Direct flights from Wuhan have stopped, but indirect flights continue, including 37 indirect flights in the past 24 hours.

**International Updates**

There have been discussions among international partners that the possibility that reporting of confirmed cases from China will decrease as lab capacity for confirmation is saturated.

**nCov in mainland China**

| | Confirmed Cases | Severe Cases | Deaths | Affected Provinces | Suspected Cases | Total Contacts Traced | Contacts Under Observation |
|---|---|---|---|---|---|---|---|
| **Total** | **1,975** | **324** | **56** | **30** | **2,684** | **23,431** | **21,556** |
| **New** | **688** | **87** | **15** | **0** | **1,309** | **8,234** | **13,136** |

Epidemiology – **(data as of 2400 25 Jan Beijing)**

- Total confirmed cases 1,975, including 324 severe cases, and 56 deaths
- 1 death in Shanghai, 1 in Henan Province, 1 in Hebei Province, 1 in Heilongjiang Province. Remaining deaths in Hubei Province.
- Total suspected cases: 2,684
  - 30% (590/1965) of previous days suspected cases were eliminated
- Close contacts: 23,431 traced and 21,556 under medical observation.
  - 4% (325/8,420) of yesterday's contacts under observation were released from observation

- Three Chinese doctors in Beijing are confirmed cases. Two had travel to Wuhan. All close contacts are in quarantine. (People's Daily China)
- Concern that reporting of confirmed cases from China may fall off as confirmatory lab capacity is reached

Restrictions in China and SARs

- China said on 25 January that it would suspend all tour groups and the sale of flight and hotel packages for its citizens headed overseas, starting on Monday. (People's Daily China)

- The Beijing city government also announced on 25 January that it would suspend all inter-province buses from Sunday, effectively limiting road travel into the capital. (People's Daily China)

- 450 military medical staff being sent to Wuhan. (People's Daily China)

- 26 of China's provincial-level jurisdictions, including Beijing, Shanghai, Guangdong, Zhejiang, Hubei, have enacted the country's highest level of public health emergency response, (People's Daily China)

- Hong Kong announced that its schools would be closed until Feb. 17 to try to limit the possibility of transmission(Washington Post).

Research
- Therapeutic trial using the MIRACLE protocol (opinavir/ritonavir and interferon-β1b) is ongoing in China with 140 enrolled cases
- Ongoing efforts to develop treatments and vaccine

Healthcare capacity
- Second temporary 1,300-bed hospital to be constructed with completion in half a month (People's Daily China)
- Wuhan has planned to transform 24 general hospitals for temporary use to cope with outbreak (People's Daily China)

CDC Collaboration
- Second informal request from China to collaborate with CDC: Director of both China CDC's Global Public Health Center and the China CDC EID office contacted US CDC Office in China to express interested in urgently exploring possibilities of a grant or project to help address the numerous questions about nCoV, using the US-China EID cooperation mechanism. The two cooperative agreements that are currently managed through the EID office include an influenza research and global health security non-research cooperative agreements.

**nCov, excl. mainland China (46 total, including 9 new)**

## nCov, excl. mainland China (46 total, including 8 new)

| Country | Confirmed Cases | New Exported Cases ( 24 hrs) | Deaths | First Case Reported | Last Date of Onset or Entry |
|---|---|---|---|---|---|
| *Countries with continued cases* | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Thailand | 8 | 2 | 0 | 13-Jan | 23-Jan |
| SAR Hong Kong | 5 | | 0 | 21-Jan | 23-Jan |
| Australia | 4 | | 0 | 25-Jan | Unk |
| Malaysia | 4 | 1 | 0 | 24-Jan | 23-Jan |
| Singapore | 4 | 1 | 0 | 23-Jan | 22-Jan |
| U.S. | 3 | 1 | 0 | 16-Jan | 14-Jan |
| Taiwan | 3 | | 0 | 21-Jan | 22-Jan |
| France | 3 | | 0 | 24-Jan | Unk |
| Japan | 3 | 1 | 0 | 15-Jan | 21-Jan |
| Republic of Korea | 3 | 1 | 0 | 20-Jan | 25-Jan |
| SAR Macao | 2 | | 0 | 22-Jan | 22-Jan |
| Vietnam | 2 | | 0 | 23-Jan | Unk |
| Nepal | 1 | | 0 | 24-Jan | 5-Jan |
| *Countries with New cases* | | | | | |
| Canada | 1 | 1 | 0 | 25-Jan | Unk |
| **Total** | **46** | | **0** | | |

**Other:**

**Plan for Secretary Azar to Speak to Chinese Minister Ma on Monday, Jan 27th.**

**WHO Emergency Committee** meeting on Jan 23rd indicated that the 16 expert panel remained split on whether or not to declare and PHEIC and will reconvene after several days to re-evaluate.

Possible WHO GOARN team to deploy to China for investigation.

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Mon, 27 Jan 2020 13:53:53 +0000
**To:** Redd, Stephen (CDC/DDPHSIS/OD)
**Subject:** Re: Daily OD nCoV Updates 1-27

It's an in the room only conversation. I. Can tell you on person. Sorry I didn't know this was coming
Get Outlook for iOS
**From:** Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>
**Sent:** Monday, January 27, 2020 8:47:49 AM
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>
**Subject:** Fwd: Daily OD nCoV Updates 1-27

I guess we will all find out about that other issue at some point.
Stephen C. Redd, MD
RADM, USPHS
**From:** Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>
**Sent:** Monday, January 27, 2020 8:28:43 AM
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>
**Subject:** Re: Daily OD nCoV Updates 1-27

Got it.
Stephen C. Redd, MD
RADM, USPHS
**From:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>
**Sent:** Monday, January 27, 2020 8:13:56 AM
**To:** Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>
**Subject:** FW: Daily OD nCoV Updates 1-27

There is a call at 8:30am you can listen in to (just to make sure R3 knows what he needs to know, not one for us to ask questions) – will forward the invite. Later today we can connect re what we're expecting to need you to do tues-thur and next week. Thanks again for agreeing to go to DCI

**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Monday, January 27, 2020 7:52 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>
**Subject:** Daily OD nCoV Updates 1-27

Dear All,

Please see below Daily OD Update on nCoV. Let us know if there are any questions.

Thanks,

LeAnne

**NSC Request for Information**

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LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

Chief, Meningitis and Vaccine Preventable Diseases
Division of Bacterial Diseases
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention
1600 Clifton Road, NE, MS H 24-6
Atlanta, GA 30329-4027
Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Tue, 28 Jan 2020 12:59:58 +0000
**To:** Redd, Stephen (CDC/DDPHSIS/OD)
**Subject:** FW: Daily OD nCoV Updates 1-28 - INTERNAL - NOT FOR FURTHER DISTRIBUTION

**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Tuesday, January 28, 2020 7:50 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>
**Subject:** Daily OD nCoV Updates 1-28 - INTERNAL - NOT FOR FURTHER DISTRIBUTION

Dear All,

Please see below Daily OD Update on nCoV. Let us know if there are any questions.

Thanks,

LeAnne

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**NSC Request for Information**

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LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

Chief, Meningitis and Vaccine Preventable Diseases
Division of Bacterial Diseases
National Center for Immunization and Respiratory Diseases
Centers for Disease Control and Prevention
1600 Clifton Road, NE, MS H 24-6
Atlanta, GA 30329-4027
Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Wed, 29 Jan 2020 13:18:32 +0000
**To:** Redd, Stephen (CDC/DDPHSIS/OD)
**Subject:** Fwd: Daily AM OD Updates nCoV - Jan 29th - CORRECTION

Get Outlook for iOS
**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Wednesday, January 29, 2020 8:07:08 AM
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>
**Subject:** RE: Daily AM OD Updates nCoV - Jan 29th - CORRECTION

Apologies all — correction below.

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**NSC Request for Information**

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LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

Chief, Meningitis and Vaccine Preventable Diseases
Division of Bacterial Diseases
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1600 Clifton Road, NE, MS H 24-6
Atlanta, GA 30329-4027
Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Thu, 30 Jan 2020 13:12:07 +0000
**Subject:** Fwd: 1-30 Daily AM nCoV Updates

Get Outlook for iOS
**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Thursday, January 30, 2020 8:10 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD); Cetron, Marty (CDC/DDID/NCEZID/DGMQ); Redfield, Robert R. (CDC/OD); Schuchat, Anne MD (CDC/OD); Berger, Sherri (CDC/OCOO/OD); Butler, Jay C. (CDC/DDID/OD); Redd, Stephen (CDC/DDPHSIS/OD)
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID); Patel, Anita (CDC/DDID/NCIRD/OD); Cohn, Amanda (CDC/DDID/NCIRD/OD); Bresee, Joseph (CDC/DDID/NCIRD/ID); Williams, Ian (CDC/DDID/NCEZID/DFWED); Knotts, Ashley (CDC/OD/OCS); Warner, Agnes (CDC/OD/OCS)
**Subject:** 1-30 Daily AM nCoV Updates

Dear All,

Please find the Daily OD nCoV Updates below. Let us know if there are any questions.

Thanks,

LeAnne

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**NSC Request for Information**

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LeAnne Fox, MD, MPH, DTM&H
CDR US Public Health Service
Currently Assigned as Deputy Incident Manager for
2020 Novel Coronavirus Response

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Sat, 1 Feb 2020 13:42:19 +0000
**To:** Butler, Jay C. (CDC/DDID/OD)
**Subject:** Fwd: Daily OD nCoV Morning Updates - Feb 1st

Get Outlook for iOS
**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Saturday, February 1, 2020 7:44:48 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>
**Subject:** Daily OD nCoV Morning Updates - Feb 1st

Dear All,

Please see the Daily OD nCoV Morning Updates. Let us know if there are any questions.

Thanks,

LeAnne

**Update Feb 1, 2020**

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**Data Current as of Feb 1, 2020 12:00 AM (EST)**

**NSC Request for Information**

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LeAnne Fox, MD, MPH, DTM&H
CAPT US Public Health Service
Currently Assigned as Deputy Incident Manager for
2020 Novel Coronavirus Response

**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Thu, 13 Feb 2020 12:34:43 +0000
**To:** Brand, Anstice M. (CDC/OD/CDCWO)
**Subject:** Fwd: Daily OD nCoV Morningcan you print for me Update - February 13 2020

Get Outlook for iOS
**From:** Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Sent:** Thursday, February 13, 2020 7:33:07 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>; Wolfe, Mitchell (CDC/OD) <msw6@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>; Pesik, Nicki (CDC/DDID/NCEZID/OD) <ndp9@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>
**Cc:** Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>; Weinbaum, Cindy (CDC/DDID/NCIRD/ISD) <chw4@cdc.gov>; Lepore, Loretta (CDC/OD/OCS) <phf7@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Green, Hugh (CDC/OD/OCS) <yke8@cdc.gov>; Charles, Julia (CDC/OD/OCS) <yyb1@cdc.gov>; Hogstad, Kirsten (CDC/DDPHSIS/CGH/OD) <psi0@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Subject:** Daily OD nCoV Morning Update - February 13 2020

Good morning – slightly delayed due to change in China reporting

## nCoV Response update Feb 13, 2020

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

*Data Current as of Feb 13, 2020 12:00 AM (EST)*

**NSC Request for Information**

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**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Sat, 29 Feb 2020 13:43:03 +0000
**To:** Frank, Mark (CDC/DDPHSIS/CPR/DEO)
**Subject:** Fwd: COVID-19 Response update, Feb 29, 2020

Get Outlook for iOS
**From:** Armstrong, Gregory (CDC/DDID/NCEZID/OD) <gca3@cdc.gov>
**Sent:** Saturday, February 29, 2020 7:57:10 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>; Wolfe, Mitchell (CDC/OD) <msw6@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>; Pesik, Nicki (CDC/DDID/NCEZID/OD) <ndp9@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>
**Cc:** Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>; Weinbaum, Cindy (CDC/DDID/NCIRD/ISD) <chw4@cdc.gov>; Lepore, Loretta (CDC/OD/OCS) <phf7@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Green, Hugh (CDC/OD/OCS) <yke8@cdc.gov>; Charles, Julia (CDC/OD/OCS) <yyb1@cdc.gov>; Hogstad, Kirsten (CDC/DDPHSIS/CGH/OD) <psi0@cdc.gov>; Eisenberg, Emily (CDC/DDID/NCIRD/ID) <idq5@cdc.gov>; Hoo, Elizabeth (CDC/OD/OCS) <irp5@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Kuhnert-Tallman, Wendi (CDC/DDID/OD) <wdk1@cdc.gov>
**Subject:** COVID-19 Response update, Feb 29, 2020

# COVID-19 Response update Feb 29, 2020

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

*Data Current as of Feb 29, 2020 12:00 AM (EST)*

**NSC Request for Information *(updated information in red)***

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**From:** Schuchat, Anne MD (CDC/OD)
**Sent:** Wed, 22 Jan 2020 00:14:11 +0000
**To:** Redfield, Robert R. (CDC/OD)
**Cc:** McGowan, Robert (Kyle) (CDC/OD/OCS);Berger, Sherri (CDC/OCOO/OD)
**Subject:** Fwd: SITREP 2019 Novel Coronavirus (nCoV) - 1/21
**Attachments:** SITREP Novel Coronavirus 01202021.pdf

Get Outlook for iOS
**From:** Moulia, Danielle L. (CDC/DDID/NCIRD/OD) (CTR) <wwe8@cdc.gov>
**Sent:** Tuesday, January 21, 2020 7:10:10 PM
**To:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Cc:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Bonds, Michelle E. (CDC/OD/OADC) <meb0@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>; Dreyzehner, John (CDC/DDPHSIS/CPR/OD) <PWN3@cdc.gov>; Martin, Rebecca (CDC/DDPHSIS/CGH/OD) <rtm4@cdc.gov>; Khabbaz, Rima (CDC/DDID/NCEZID/OD) <rfk1@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>
**Subject:** SITREP 2019 Novel Coronavirus (nCoV) - 1/21

Good Evening,

Please see the attached Situational Report on 2019 Novel Coronavirus (nCoV) for January 21th, 2020.

Best,

Danielle Moulia, MPH
2019 Novel Coronavirus (nCoV) Response
Centers for Disease Control and Prevention

Mobile: 510-229-7178
Email: wwe8@cdc.gov


# 2019 Novel Coronavirus (2019-nCoV) Situational Report

**January 21, 2020**

**Report Day 21 (new information in blue)**

## Topline Messages

- The first case of 2019-nCoV has been confirmed in Washington State on January 20th.
  - CDC deployed a multidisciplinary team to Washington to assist with clinical management, contact tracing and communications
- 297 cases of confirmed 2019-nCoV in 6 countries as of January 21st.
- CDC is planning for scale up of screening of travelers from Wuhan in airports in Atlanta (ATL) and Chicago (ORD), in addition to San Francisco (SFO), Los Angeles (LAX) and John F Kennedy (JFK) and consider funneling passengers (reticketing) from Wuhan through these 5 airports 1,265 persons were screened as of 1/20/2020 and none were referred for medical evaluation.
- CDC travel health noticed was elevated to level 2, practice enhanced precautions, on 1/21/2020

## Status of Outbreak (as of 10 am 1/21/2020)

**Current 2019-nCoV Cases Officially Reported**

| 1st Reported | Latest Onset | Country | Total # Cases | # of Deaths |
|---|---|---|---|---|
| 12/31/2019 | Latest reported onset 1/13/2020, unknown for most recent cases | China<br>Wuhan City<br>Beijing<br>Guangdong Province<br>Shanghai | **291**<br>270<br>5<br>14<br>2 | 6 |
| 1/13/2020 | Onset for second case unknown | Thailand | **2** | 0 |
| 1/15/2020 | 1/03/2020 | Japan | **1** | 0 |
| 1/18/2020 | 1/18/2020 | The Republic of Korea | **1** | 0 |
| 1/20/2020 | 1/16/2020 | United States | **1** | 0 |
| 1/21/2020 | Unknown | Taiwan | **1** | 0 |

- China's National Health Commission has confirmed that infections have been reported in health care workers. These include: 15 health care worker infections in Wuhan (plus 1 suspected case). One of the 16 patients is in critical condition while the rest are in stable condition.

- Of the 198 cases of reported in Wuhan, 170 cases are still being treated in the hospital, 126 of whom are considered mild, 35 are severe, 9 cases are critically ill, and 6 have died. .
- Wuhan Province reports over 817 close contacts have been traced, including over 400 medical staff. 727 medical observations have been lifted, and 90 are still under medical observation.
- Per report, active case finding is going on in all parts of China now with screening using thermal scanners at airports, railway stations and bus terminals. In addition, screening has been implemented in the 72 "fever clinics" in Wuhan city where 2000 fever patients are seen daily.
- All live animal sales in Wuhan are prohibited.
- Some travel restrictions have been instituted in Wuhan including barring group tours from travelling outside of Wuhan and random checks on private vehicles entering and leaving Wuhan for live birds and wild animals.
- Wuhan Health experts locally are recommending that citizens pay attention to maintaining indoor air circulation, avoid closed and airless public places and crowded places, and wear masks when necessary. Persons with symptoms are instructed to seek medical attention

## CDC Response Activities

**International Coordination**

- CDC continues monitoring the international situation through CDC country offices and Ministry of Health contacts in the affected countries, in-country teams, and WHO.

**Domestic Coordination**

- On January 21, a call was held with 1,587 lines dialed in ASTHO, NACCHO, CSTE, APLH, their constituents, and other federal partners to provide updates about implementation of airline screening and guidance for persons under investigation.
- CDC is holding a weekly call with public health representatives state, local, and territorial preparedness directors, state epidemiologists, state health officials, public health laboratory directors, and nongovernmental partners

**Epidemiology and Laboratory**

- CDC has developed a real time RT-PCR assay to detect the 2019-nCoV for global and domestic use and has been added to CDC's CLIA certificate. In addition to the real time RT-PCR assay, the CDC laboratory also has the capacity to detect 2019-nCoV by sequencing virus isolates and comparing the sequences against the genetic sequence released by China.
- CDC laboratory is coordinating to provide assays and reagents to priority countries which is being initiated this week.
- Initiating manufacturing of reagents for 2019-nCoV real time RT-PCR assay for domestic and international distribution.

**Border Screening**

- CDC travel health noticed was elevated to level 2, practice enhanced precautions, on 1/21/2020 https://wwwnc.cdc.gov/travel/notices/alert/novel-coronavirus-china
- CDC is planning for scale up of screening of travelers from Wuhan to airports in Atlanta (ATL) and Chicago (ORD), in addition to San Francisco (SFO), Los Angeles (LAX) and John F Kennedy (JFK) 1,120 persons were screened as of 1/19/2020 and none were referred for medical evaluation.
- On January 20, held conference call with city and state health department officials with jurisdiction over the Atlanta (ATL) and Chicago (ORD) airports to discuss traveler entry screening issues.

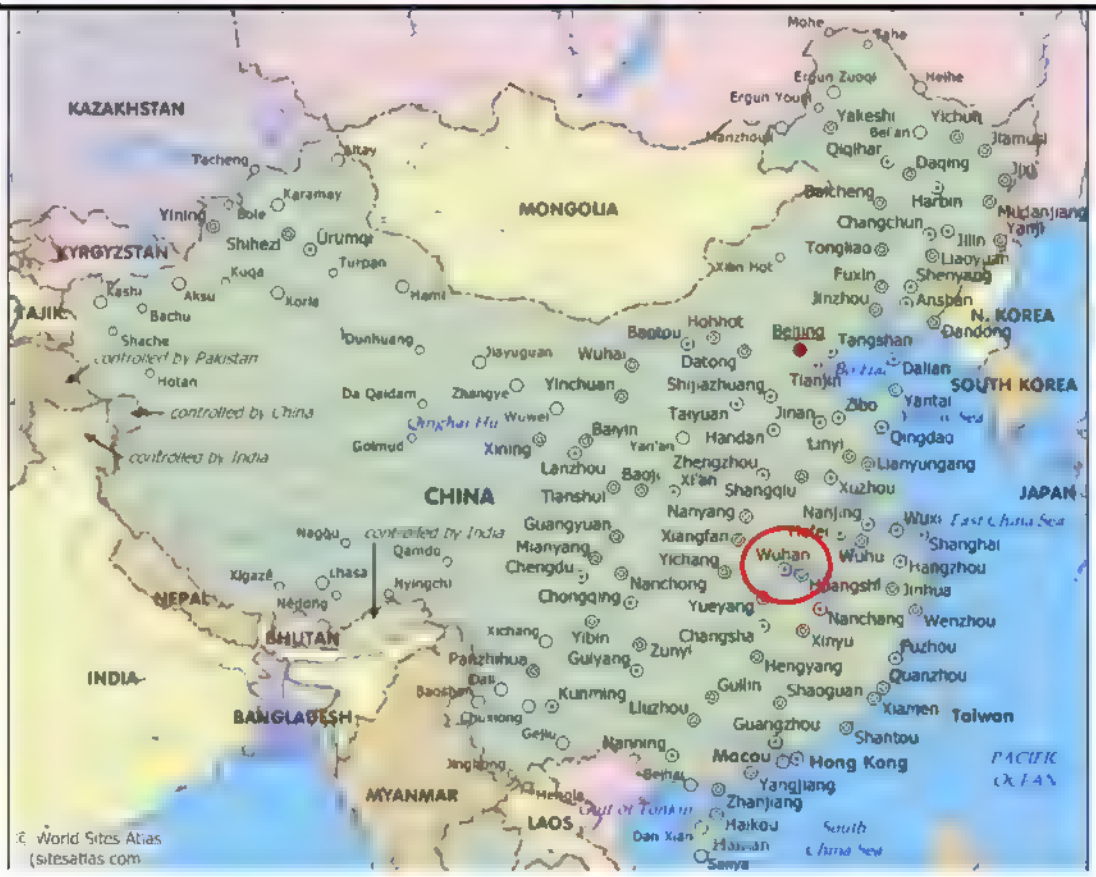
**Medical Care and Countermeasures**

- Planning for potential use of investigational therapeutics and participating WHO clinical network calls
- PPE supply chain partners engaged to increase awareness on supply chain status.
- Supporting infection prevention and control discussions as needed for US persons under investigation and potential confirmed cases.

**Communications**

- On January 21, a media telebriefing was held to provide an update on the first US case of 2019-nCoV
- On January 20, the 2019-nCoV website was updated: https://www.cdc.gov/coronavirus/novel-coronavirus-2019.html
- Communications messages were developed for the expanding entry screening to Atlanta and Chicago and funneling all Wuhan passengers o one of 5 airports now conducting screening.

## Maps



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**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Wed, 22 Jan 2020 13:48:49 +0000
**To:** [redacted]
**Subject:** Fwd: nCoV OD Daily Update 1/22

To print
Dr. Robert Redfield
**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Wednesday, January 22, 2020 8:12:57 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Cc:** Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>
**Subject:** nCoV OD Daily Update 1/22

Dear All,

Please see the Daily OD update on the nCoV response. Let us know if there are any questions.

Thanks,

LeAnne

**Domestic Updates**

**Patients Being Medically Evaluated in US:**

**17 patients are/have been medically evaluated for possible nCoV infection**
**13 patients are being tested for nCoV**
**3 patients have tested negative for nCoV**
**1 confirmed nCoV patient**

Over 60 calls received and triaged to discuss medical evaluation of patients

**Confirmed nCoV Patient in US** remains stable in the hospital in isolation and under airborne precautions. CDC team has arrived in Washington State and is working with state and local health authorities and hospital staff on patient assessment and follow-up and contact tracing.

**Extensive communications** within US and USG, WHO, China CDC and China National Health Commission on first US n CoV patient. IHR notification of PHEIC has been filed with WHO, through PAHO.

**Airport Screening:**

Screening continues at 3 airports (JFK, SFO and LAX), 163 flights and over 1700 passengers screened, **no passengers referred for medical evaluation**, no issues reported.

**CDC increased Travel Health Alert to Level 2** (Practice Enhanced Precautions) and is in the process of instituting airport screening at Atlanta and Chicago, O'Hare airports and funneling flights (reticketing) from Wuhan to the 5 US airports with screening.

**International Updates**

**Countries with confirmed cases: Japan (1), Republic of Korea (1), Thailand (4), Taiwan (1)**

**Media reports of a confirmed case in Hong Kong and Macau**

Jan 21, **Taiwan confirmed its first case of nCoV** – Female who worked in Wuhan. Upon returning to Taiwan on 1/20, the patient was quarantined at the airport with fever, cough, and shortness of breath. **Confirmation of nCoV 1/21**. Contact tracing of airline crew and passengers has been initiated.

**WHO Visit to Wuhan:**

Attendees included WR Gauden Galea, CK Lee, Shen Zhongdan from the WHO Country Office and Babatunde from WPRO; The two day visit consisted of visits to the airport where the team observed exit screening with the thermal monitor and a visit to a "screening hospital". The planned events for the 2nd day were changed from the original plans to focus on a discussion of infections in healthcare workers with health authorities from the national, provincial, and local level.

**Patient triage in Wuhan:** Patients undergo a fever triage at a "screening" hospital where patients are interviewed and specimens are collected. Depending on whether the patient was considered to be highly suspicious for nCoV by a group a physicians, the patient would be treated at the screening hospital or would be transferred to Jinyintan Hospital. We do not have specifics on whether transfer to Jinyintan Hospital depends on a positive lab test or not.

**Healthcare worker Infection:**
Per the WHO mission to Wuhan, there are currently **16 HCWs that are likely considered infected**.

- **2 healthcare clusters in Wuhan:**
  - **6/10** HCWs involved in the cluster on the neurosurgical ward reported **no direct contact with the case** (although 2 nurses developed symptoms prior to first contact with the patient)
  - **4/5** HCWs (nurses working on unrelated wards) involved in the 2nd cluster reported **no direct contact with the case**
  - The health care workers are primarily nurses. 1 ER doctor, who is known to have been involved in collecting samples, is infected.

**Market investigation:**
Most of the cases found in the seafood section of the **Western side of the Huanan market** (as opposed to the Eastern side). On the Westside of Huanan market, there was a section for seafood, janitorial services, and stalls for other animals (specific species not mentioned).

**Travel Screening In China**

CDC China office could not find evidence of an official ban on travel to Wuhan. Temperature screening has begun at Beijing Capital airport.

-

**China – 440 cases in 13/23 provinces (not including Taiwan), 9 deaths**

On Jan 21, the NHC had received **440 confirmed cases of nCoV in 13 provinces** (regions and cities) (**10 in Beijing**, 2 in Tianjin, **9 in Shanghai**, 5 in Zhejiang Province, 2 cases in Jiangxi, 1 in Shandong Province, 1 case in Henan Province, **375 cases in Wuhan/Hubei Province**, 1 case in Hunan Province, **26 cases in Guangdong Province**, 5 cases in Chongqing, 2 cases in Sichuan Province and 1 case in Yunnan Province).

Of the 440 cases, 102 are severely ill and **9 deaths** (all from Wuhan/Hubei Province);

**Thailand – 4 cases**

The Thai Prime Minister held a press conference officially confirming the 3 and 4th case in Thailand. In addition, there is a **possible 5th case** (spouse of case #4 who also visited Wuhan)

CDC Thailand Office has heard from WHO that Thai Minister agreed to share viral specimens with 5 labs worldwide including CDC. **WHO DG has advocated for sample sharing as well.**

**Other:**

**Emergency Committee** ongoing now. **Press conference scheduled for 7:15 pm** (GVA time)

LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

Chief, Meningitis and Vaccine Preventable Diseases
Division of Bacterial Diseases
National Center for Immunization and Respiratory Diseases
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Atlanta, GA 30329-4027
Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Strength-McGaughey, Tracie (CDC/OD/OCS) on behalf of Redfield, Robert R. (CDC/OD)
**Sent:** Thu, 23 Jan 2020 12:55:05 +0000
**To:** [redacted]
**Subject:** FW: 1-23 OD Daily AM Update nCoV Response

**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Thursday, January 23, 2020 7:54 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>
**Subject:** 1-23 OD Daily AM Update nCoV Response

Dear All,

Please see the daily AM OD Update for the nCoV Response. Let us know if there are questions.

Thanks,

LeAnne

**Domestic Updates**

**Patients Being Medically Evaluated in US:**

**46 patients are/have been medically evaluated for possible nCoV infection.**
**40 patients are currently being tested for nCoV**
**5 patients have tested negative for nCoV**
**1 confirmed nCoV patient**

Over 100 calls received and triaged to discuss medical evaluation of patients

**Confirmed nCoV Patient in US** remains stable in the hospital in isolation and under airborne precautions. CDC team has arrived in Washington State and is working with state and local health authorities and hospital staff on patient assessment and follow-up and contact tracing. **16 people identified in contact tracing.**

**Travel**

CDC Increased Travel Health Alert to Level 3: **Recommends that travelers avoid all nonessential travel to Wuhan, China. In response to an outbreak of respiratory illness, Chinese officials have closed transport within and out of Wuhan, including buses, subways, trains, and the international airport.**

**CDC has also issued an alert for travel to the rest of China due to nCoV infection**

In addition, CDC is in the process of instituting airport screening at Atlanta and Chicago, O'Hare airports and funneling flights (reticketing) from Wuhan to the 5 US airports with screening.

Unconfirmed: 3 more cities in China to be closed.

**Airport Screening:**

Screening continues at 3 airports (JFK, SFO and LAX), **3 passengers referred for medical evaluation.**

**1/22 Three outbound travelers (in one family) connecting through LAX referred for medical evaluation;** family has had potential exposure to patient with nCoV in Wuhan within 14 days. Patients have been transported to hospital in LA.

**Situation Details:**

b)(6) [redacted] from Wuhan who traveled to US via LAX were [redacted] cleared to continue their journey to Mexico on 1/19/2020. On 1/22/2020, they returned to LAX enroute back to Wuhan due to [redacted] who had cancer and had recently had fever, shortness of breath, and cough prior to [redacted] death. The cause of [redacted] acute respiratory illness is unknown (possible nCoV). The family are all afebrile at screening. [redacted] is feeling unwell and has a cough. [redacted] is having body aches, no cough, no shortness of breath. [redacted] had one episode of vomiting, no cough, no shortness of breath.

**General Comment on International Numbers**
These numbers are rapidly changing and as presented are acknowledged to already be out of date. Due to the speed of change and the difficulties staying current, WHO is shifting away from precise number counting and focusing more on interpretation of available data.

**International Updates**

**10 Countries/territories with confirmed cases: Japan (1), Republic of Korea (1), Thailand (4), Taiwan (1), United States (1), Hong Kong (1) and Macau (1)**

Jan 21, **Taiwan confirmed its first case of nCoV** – Female who worked in Wuhan. Upon returning to Taiwan on 1/20, the patient was quarantined at the airport with fever, cough, and shortness of breath. **Confirmation of nCoV 1/21**. Contact tracing of airline crew and passengers has been initiated. In addition to quarantine and screening at points of entry, the government of Taiwan has increased surveillance, health system awareness, and public health risk awareness.

**Wuhan Travel Ban**

**The Wuhan Municipal Government Coronavirus Infection Pneumonia Command Center has issued a travel suspension from 10 AM Jan 23rd onward** where urban bus, subway, ferry and long-distance passenger transportation has been stopped and it is recommended that citizens should not leave Wuhan. The Wuhan airport and train station are temporarily closed. Active case finding is being conducted in all parts of China using thermal scanners at airports, railway stations and bus terminals. There is no indication when the travel restrictions may end. US Consulate Wuhan closed today as staff cannot get to work.

1/23 US Embassy in Beijing meeting of the Emergency Action Committee (EAC) decided on an **Ordered Departure of US Embassy staff in Wuhan**. Of note, if there is a need for TDY'ers to travel to Wuhan during the ordered departure (e.g., if CDC gets invited to join investigation), a waiver can be requested and must be granted from Undersecretary of State for eCC approval. Per CDC China, an important issue is around messaging of this event. It should be made clear that the precipitating event was the lack of adequate medical services and threats to essential infrastructure due to restriction of travel rather than primarily concern over the risk of infection with 2019-nCoV. Otherwise the question of what the threshold is for infection in other parts of the country or world will be raised and this is currently undetermined.

**China – 571 confirmed cases in 25 provinces, 17 deaths**

On Jan 22, China **571 confirmed** (131 new), **1236 suspect cases** and **17 deaths** (8 new) in **25 provinces** in China. Currently, 5,897 close contacts have been followed-up; 969 have been released from medical observation, and 4,928 are still under medical observation. Of the cases, there are **16% (68) which are severe, 5% (23) are critical, and 4% (17) who have died**. 12 out of 17 deaths had underlying diseases such as: hypertension, diabetes, COPD, cardiovascular and cerebrovascular disease. Median age is 75 (range 48-89), 13 (76%) male and there was an average of 14 days (range 4-41) from onset to death.

General observations include data that describe **clusters of infection** in families (for example 6 family clusters involving 17 cases in Guangdong) and cases associated with health care transmission in two clusters in Wuhan.

**Thailand – 4 cases**

The Thai Prime Minister held a press conference officially confirming the 3 and 4$^{th}$ case in Thailand. In addition, there is a **possible 5$^{th}$ case** (spouse of case #4 who also visited Wuhan)

CDC Thailand Office has heard from WHO that Thai Minister agreed to share viral specimens with 5 labs worldwide including CDC. **WHO DG has advocated for sample sharing as well.**

**Other:**

**WHO Emergency Committee** meeting on Jan 22$^{nd}$ indicated that the 16 expert panel was split on whether or not to declare and PHEIC and will reconvene 1/23 to discuss the situation further.

WHO teams have approached China for more data, including updated line lists.

Recent publication in the Journal of Medical Virology linking the nCoV virus to bats and snakes (Chinese krait and cobra). Data being evaluated by CDC staff.

Neil Ferguson at Imperial College has re-run their model now estimating a total of 4,000 cases of 2019-nCoV in Wuhan City (uncertainty range: 1,000 – 9,700) had onset of symptoms by 18th January 2020 (the last reported onset date of any case) and suggests that currently self-sustaining human-to-human transmission should not be ruled out.

LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

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Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Mon, 27 Jan 2020 13:09:13 +0000
**To:** Ferro, Phil J. EOP/NSC;Fabina, Lauren C. EOP/NSC
**Cc:** Cetron, Marty (CDC/DDID/NCEZID/DGMQ);McGowan, Robert (Kyle) (CDC/OD/OCS)
**Bcc:** Warner, Agnes (CDC/OD/OCS);Knotts, Ashley (CDC/OD/OCS);Redfield, Robert R. (CDC/OD)
**Subject:** RE: nCoV Daily SItrep for EOP Request
**Attachments:** SITREP Novel Coronavirus 01202026.pdf

Phil and Lauren,

Per your request, please see attached and below. The SitRep was updated last night. RFI due outs below are up to date as of this morning at 0730. Please let us know if you have any questions.

[redacted]

[redacted]

**From:** Ferro, Phil J. EOP/NSC <[redacted]@nsc.eop.gov>
**Sent:** Friday, January 24, 2020 6:12 PM
**To:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>
**Cc:** Ruggiero, Anthony J. EOP/NSC <[redacted]@nsc.eop.gov>; Fabina, Lauren C. EOP/NSC <[redacted]@nsc.eop.gov>
**Subject:** nCoV Daily SItrep for EOP Request

Good Evening Dr. Redfield and Marty,

Lauren and I are following up on the conversation between Dr. Redfield and Anthony earlier today regarding and nCoV daily sitrep report. In order to provide the EOP with situational awareness for the day, we would be most appreciative if CDC would provide Lauren and I the CDC daily sitrep as an attachment along with answers to the following RFIs in the body of the email:

[redacted]

Please provide us with this information no later than 0730. If there is additional information that needs to be flagged please include it in the body of the email as well.

Many thanks in advance and please let us know if you have any questions or if we may be of service.

All the best,

Phil and Lauren

**Philip J. Ferro, PhD, MS**
**Director for Countering Biological Threats**
**National Security Council**

[redacted]@nsc.eop.gov

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Mon, 27 Jan 2020 14:30:01 +0000
**To:** Thompson, Florence (CDC/OD/CDCWO)
**Subject:** Fwd: Daily OD nCoV Updates 1-27

Dr. Robert Redfield
**From:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Sent:** Monday, January 27, 2020 8:48:29 AM
**To:** (b)(6) (b)(6)
**Subject:** Fwd: Daily OD nCoV Updates 1-27

To print
Dr. Robert Redfield
**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Monday, January 27, 2020 7:52:10 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>
**Subject:** Daily OD nCoV Updates 1-27

Dear All,

Please see below Daily OD Update on nCoV. Let us know if there are any questions.

Thanks,

LeAnne

**NSC Request for Information**

(b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

(b)(6)

LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

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Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Tue, 28 Jan 2020 13:15:05 +0000
**To:** Ferro, Phil J. EOP/NSC;Fabina, Lauren C. EOP/NSC
**Cc:** Cetron, Marty (CDC/DDID/NCEZID/DGMQ[redacted]@nsc.eop.gov;McGowan, Robert (Kyle) (CDC/OD/OCS)
**Subject:** Daily nCoV Update 1-28 - NOT FOR FURTHER DISTRIBUTION

Phil and Lauren – Please see updated information below and let us know if you have any questions.

[redacted]

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Wed, 29 Jan 2020 12:52:34 +0000
**To:** Redfield, Robert R. (CDC/OD);Ferro, Phil J. EOP/NSC;Fabina, Lauren C. EOP/NSC
**Cc:** Cetron, Marty (CDC/DDID/NCEZID/DGMQ), [redacted] (b)(6) @nsc.eop.gov;McGowan, Robert (Kyle) (CDC/OD/OCS)
**Subject:** Daily nCoV Update 1-29 - NOT FOR FURTHER DISTRIBUTION

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Wed, 29 Jan 2020 12:58:12 +0000
**To:** Schuchat, Anne MD (CDC/OD);McGowan, Robert (Kyle) (CDC/OD/OCS);Fox, LeAnne M. (CDC/DDID/NCIRD/DBD);Messonnier, Nancy (CDC/DDID/NCIRD/OD);Cetron, Marty (CDC/DDID/NCEZID/DGMQ);Berger, Sherri (CDC/OCOO/OD);Butler, Jay C. (CDC/DDID/OD)
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID);Patel, Anita (CDC/DDID/NCIRD/OD);Cohn, Amanda (CDC/DDID/NCIRD/OD);Bresee, Joseph (CDC/DDID/NCIRD/ID);Williams, Ian (CDC/DDID/NCEZID/DFWED)
**Subject:** Re: Daily AM OD Updates nCoV - Jan 29th

Please send correction copy to nsc
Dr. Robert Redfield
**From:** Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>
**Sent:** Wednesday, January 29, 2020 7:56:46 AM
**To:** McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>; Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>
**Subject:** RE: Daily AM OD Updates nCoV - Jan 29th

New line should be:

(b)(5)

**From:** McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Sent:** Wednesday, January 29, 2020 7:52 AM
**To:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>; Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>
**Subject:** Re: Daily AM OD Updates nCoV - Jan 29th

(b)(5)

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**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Wednesday, January 29, 2020 7:44:19 AM

**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Butler, Jay C. (CDC/DDID/OD) <jcb3@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>
**Subject:** Daily AM OD Updates nCoV - Jan 29th

Dear All,

Please see the Daily AM OD Updates for nCoV. Let us know if there are any questions.

Thank you,

LeAnne

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**NSC Request for Information**

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

(b)(5)

LeAnne M. Fox, MD, MPH, DTM&H
CDR US Public Health Service

Chief, Meningitis and Vaccine Preventable Diseases
Division of Bacterial Diseases
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Atlanta, GA 30329-4027
Tel: 404-718-4739
FAX: 404-471-2511
Email: lfox@cdc.gov

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Thu, 30 Jan 2020 13:16:50 +0000
**To:** Ferro, Phil J. EOP/NSC;Fabina, Lauren C. EOP/NSC
**Cc:** Cetron, Marty (CDC/DDID/NCEZID/DGMQ)[redacted]@nsc.eop.gov;McGowan, Robert (Kyle) (CDC/OD/OCS)
**Subject:** Daily nCoV Update 1-30 - NOT FOR FURTHER DISTRIBUTION

Phil and Lauren – Please see updated information below and let us know if you have any questions.

[redacted]

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Fri, 31 Jan 2020 12:54:08 +0000
**To:** Ferro, Phil J. EOP/NSC;Fabina, Lauren C. EOP/NSC
**Cc:** Cetron, Marty (CDC/DDID/NCEZID/DGMQ) [redacted] (b)(6) @nsc.eop.gov;McGowan, Robert (Kyle) (CDC/OD/OCS)
**Bcc:** Warner, Agnes (CDC/OD/OCS);Knotts, Ashley (CDC/OD/OCS)
**Subject:** Daily nCoV Update 1-31 - NOT FOR FURTHER DISTRIBUTION

Updated Numbers below...

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Sat, 1 Feb 2020 13:28:20 +0000
**To:** [redacted]
**Subject:** Fwd: Daily nCoV Update 02/01/2020

To print
Dr. Robert Redfield
**From:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Sent:** Saturday, February 1, 2020 8:01:26 AM
**To:** Ferro, Phil J. EOP/NSC <[redacted]@nsc.eop.gov>; Fabina, Lauren C. EOP/NSC <[redacted]@nsc.eop.gov>
**Cc:** McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; [redacted]@nsc.eop.gov [redacted]@nsc.eop.gov>
**Subject:** Daily nCoV Update 02/01/2020

Updated #'s below.

[redacted]

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Sat, 1 Feb 2020 17:28:26 +0000
**To:** Bresee, Joseph (CDC/DDID/NCIRD/ID);Fox, LeAnne M. (CDC/DDID/NCIRD/DBD);Messonnier, Nancy (CDC/DDID/NCIRD/OD);Cetron, Marty (CDC/DDID/NCEZID/DGMQ);Schuchat, Anne MD (CDC/OD);Berger, Sherri (CDC/OCOO/OD);McGowan, Robert (Kyle) (CDC/OD/OCS);Redd, Stephen (CDC/DDPHSIS/OD)
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID);Patel, Anita (CDC/DDID/NCIRD/OD);Cohn, Amanda (CDC/DDID/NCIRD/OD);Williams, Ian (CDC/DDID/NCEZID/DFWED);Sager, Catherine R. (CDC/DDPHSIS/CGH/OD);Knotts, Ashley (CDC/OD/OCS);Warner, Agnes (CDC/OD/OCS)
**Subject:** Re: Daily OD nCoV Morning Updates - Feb 1st

Thanks
Dr. Robert Redfield
**From:** Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Sent:** Saturday, February 1, 2020 7:49:54 AM
**To:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>; Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>
**Subject:** RE: Daily OD nCoV Morning Updates - Feb 1st

Leanne,
Thanks for this, and thanks for all your hard work these past few weeks!
Joe

**From:** Fox, LeAnne M. (CDC/DDID/NCIRD/DBD) <lff4@cdc.gov>
**Sent:** Saturday, February 1, 2020 7:45 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>
**Subject:** Daily OD nCoV Morning Updates - Feb 1st

Dear All,

Please see the Daily OD nCoV Morning Updates. Let us know if there are any questions.

Thanks,

LeAnne

**Update Feb 1, 2020**

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

**Data Current as of Feb 1, 2020 12:00 AM (EST)**

**NSC Request for Information**

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(b)(5)

(b)(5)

(b)(5)

LeAnne Fox, MD, MPH, DTM&H
CAPT US Public Health Service
Currently Assigned as Deputy Incident Manager for
2020 Novel Coronavirus Response

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Sun, 2 Feb 2020 13:28:06 +0000
**To:** Ruggiero, Anthony J. EOP/NSC;McGowan, Robert (Kyle) (CDC/OD/OCS)
**Cc:** Ferro, Phil J. EOP/NSC;Fabina, Lauren C. EOP/NSC;Cetron, Marty (CDC/DDID/NCEZID/DGMQ)
**Subject:** Re: UPDATED: Daily OD nCoV Morning Update - February 2, 2020

Ok
Dr. Robert Redfield
**From:** Ruggiero, Anthony J. EOP/NSC [redacted]@nsc.eop.gov>
**Sent:** Sunday, February 2, 2020 8:22:49 AM
**To:** McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Cc:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Ferro, Phil J. EOP/NSC [redacted]@nsc.eop.gov>; Fabina, Lauren C. EOP/NSC [redacted]@nsc.eop.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>
**Subject:** Re: UPDATED: Daily OD nCoV Morning Update - February 2, 2020

I defer to you Dr Redfield, I'm only monitoring this call as it it operational/implementation.

Anthony Ruggiero
Special Assistant to the President
Senior Director for Counterproliferation, WMD, Global Health Security, and Biodefense
National Security Council
The White House

On Feb 2, 2020, at 8:21 AM, McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov> wrote:

We are on the call right now. Marty is giving a report out.

**From:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Sent:** Sunday, February 2, 2020 8:17 AM
**To:** Ferro, Phil J. EOP/NSC [redacted]@nsc.eop.gov>
**Cc:** Fabina, Lauren C. EOP/NSC [redacted]@nsc.eop.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Ruggiero, Anthony J. EOP/NSC <[redacted]@nsc.eop.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Subject:** Re: UPDATED: Daily OD nCoV Morning Update - February 2, 2020

Does Anthony what me on call if so ??call in #.

Dr. Robert Redfield

**From:** Ferro, Phil J. EOP/NSC <[redacted]@nsc.eop.gov>
**Sent:** Sunday, February 2, 2020 8:08:36 AM
**To:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Cc:** Fabina, Lauren C. EOP/NSC <[redacted]@nsc.eop.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Ruggiero, Anthony J. EOP/NSC [redacted]@nsc.eop.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Subject:** RE: UPDATED: Daily OD nCoV Morning Update - February 2, 2020

Hi Dr. Redfield,

No 0900 today. You may be on Anthony's 0800? We will also have our 1600 TF meeting.

Cheers,

Phil

**Philip J. Ferro, PhD, MS**
**Director for Countering Biological Threats**
**National Security Council**
[redacted]
[redacted]@nsc.eop.gov

**From:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Sent:** Sunday, February 2, 2020 7:57 AM
**To:** Ferro, Phil J. EOP/NSC [redacted]@nsc.eop.gov>
**Cc:** Fabina, Lauren C. EOP/NSC <[redacted]@nsc.eop.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Ruggiero, Anthony J. EOP/NSC <[redacted]@nsc.eop.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Subject:** Re: UPDATED: Daily OD nCoV Morning Update - February 2, 2020

Call in for 9 am call today??
Dr. Robert Redfield

---

**From:** Ferro, Phil J. EOP/NSC <[redacted]@nsc.eop.gov>
**Sent:** Sunday, February 2, 2020 7:55:30 AM
**To:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Cc:** Fabina, Lauren C. EOP/NSC <[redacted]@nsc.eop.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Ruggiero, Anthony J. EOP/NSC [redacted]@nsc.eop.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Subject:** Re: UPDATED: Daily OD nCoV Morning Update - February 2, 2020

Will do and thank you!

**Philip J. Ferro, PhD, MS**
**Director for Countering Biological Threats**

**National Security Council**
[redacted]
[redacted]@nsc.eop.gov

On Feb 2, 2020, at 07:54, Redfield, Robert R. (CDC/OD) <olx1@cdc.gov> wrote:

Apologies, updates included below – please use this version

[redacted]

Joseph Bresee, MD
Associate Director for Global Health
Influenza Division
Centers for Disease Control and Prevention

Director
Partnership for Influenza Vaccine Introduction
Task Force for global Health
>>>www pivipartners org<<<

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Sun, 2 Feb 2020 14:01:11 +0000
**To:** [redacted]
**Subject:** Fwd: Daily OD nCoV Morning Update - February 2, 2020

To print
Dr. Robert Redfield
**From:** Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Sent:** Sunday, February 2, 2020 7:51:48 AM
**To:** Messonnier, Nancy (CDC/DDID/NCIRD/OD) <nar5@cdc.gov>; Cetron, Marty (CDC/DDID/NCEZID/DGMQ) <mzc4@cdc.gov>; Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>; Schuchat, Anne MD (CDC/OD) <acs1@cdc.gov>; Berger, Sherri (CDC/OCOO/OD) <sob8@cdc.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>; Redd, Stephen (CDC/DDPHSIS/OD) <scr1@cdc.gov>; Wolfe, Mitchell (CDC/OD) <msw6@cdc.gov>
**Cc:** Jernigan, Daniel B. (CDC/DDID/NCIRD/ID) <dbj0@cdc.gov>; Patel, Anita (CDC/DDID/NCIRD/OD) <bop1@cdc.gov>; Cohn, Amanda (CDC/DDID/NCIRD/OD) <anc0@cdc.gov>; Williams, Ian (CDC/DDID/NCEZID/DFWED) <iaw3@cdc.gov>; Sager, Catherine R. (CDC/DDPHSIS/CGH/OD) <vtt4@cdc.gov>; Knotts, Ashley (CDC/OD/OCS) <vqf0@cdc.gov>; Warner, Agnes (CDC/OD/OCS) <bli8@cdc.gov>; Weinbaum, Cindy (CDC/DDID/NCIRD/ISD) <chw4@cdc.gov>; Bresee, Joseph (CDC/DDID/NCIRD/ID) <jsb6@cdc.gov>
**Subject:** RE: Daily OD nCoV Morning Update - February 2, 2020

Apologies, updates included below – please use this version

## nCoV Response update Feb 2, 2020

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

*Data Current as of Feb 2, 2020 12:00 AM (EST)*

**NSC Request for Information**

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Joseph Bresee, MD
Associate Director for Global Health
Influenza Division
Centers for Disease Control and Prevention

Director
Partnership for Influenza Vaccine Introduction
Task Force for global Health
www.pivipartners.org

**From:** Redfield, Robert R. (CDC/OD)
**Sent:** Sun, 23 Feb 2020 13:15:07 +0000
**To:** Ferro, Phil J. EOP/NSC
**Cc:** Fabina, Lauren C. EOP/NSC;Ruggiero, Anthony J. EOP/NSC;McGowan, Robert (Kyle) (CDC/OD/OCS)
**Subject:** Re: Daily OD nCoV Morning Update - February 23, 2020

Doesn't look like it . But thanks for the wish. peace God bless r3
Get Outlook for iOS
**From:** Ferro, Phil J. EOP/NSC <[redacted]@nsc.eop.gov>
**Sent:** Sunday, February 23, 2020 7:41:42 AM
**To:** Redfield, Robert R. (CDC/OD) <olx1@cdc.gov>
**Cc:** Fabina, Lauren C. EOP/NSC [redacted]@nsc.eop.gov>; Ruggiero, Anthony J. EOP/NSC <[redacted]@nsc.eop.gov>; McGowan, Robert (Kyle) (CDC/OD/OCS) <omc2@cdc.gov>
**Subject:** Re: Daily OD nCoV Morning Update - February 23, 2020

Thanks Dr. Redfield! I hope you get a little bit of time off today.

**Philip J. Ferro, PhD, MS**
**Director for Countering Biological Threats**
**National Security Council**
[redacted]
[redacted]@nsc.eop.gov

On Feb 23, 2020, at 07:37, Redfield, Robert R. (CDC/OD) <olx1@cdc.gov> wrote:

## COVID-19 Response update Feb 23, 2020

**INTERNAL - NOT FOR FURTHER DISTRIBUTION**

*Data Current as of Feb 23, 2020 12:00 AM (EST)*

**NSC Request for Information**

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